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Bosma, P. J. *See* Seppen, J., Bosma, P. J., Goldhoorn, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J.

Bostick-Bruton, F. *See* Dabholkar, M., Vionnet, J., Bostick-Bruton, F., Yu, J. J., and Reed, E.

Boucher, R. C. *See* Willumsen, N. J., Davis, C. W., and Boucher, R. C.

Boulias, C. *See* Moscarello, M. A., Wood, D. D., Ackerley, C., and Boulias, C.

Bousbaa, H. *See* Kouyoumdjian, C., Adnot, S., Levame, M., Eddahibi, S., Bousbaa, H., and Raffestin, B.

Bowman, M. A. *See* Atkinson, M. A., Bowman, M. A., Campbell, L., Darrow, B. L., Kaufman, D. L., and Maclaren, N. K.

Boyett, J. M. *See* Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E.

Boyle, W. *See* Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F.

Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W. A novel mutation in medium chain acyl-CoA dehydrogenase causes sudden neonatal death. 1477.

Brady, L. S., Lynn, A. B., Glowa, J. R., Le, D. Q., and Herkenham, M. Repeated electroconvulsive shock produces long-lasting increases in messenger RNA expression of corticotropin-releasing hormone and tyrosine hydroxylase in rat brain. Therapeutic implications. 1263.

Brandtzaeg, P. *See* Kvittingen, E. A., Rootwelt, H., Berger, R., and Brandtzaeg, P.

Brannon, T. S. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.

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Brechtel, G. *See* Steinberg, H. O., Brechtel, G., Johnson, A., Fineberg, N., and Baron, A. D.

Bredt, D. S. *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.

Brennan, F. M. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.

Brenneman, D. E. *See* Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E.

Brenner, B. M. *See* Mackenzie, H. S., Tullius, S. G., Heemann, U. W., Azuma, H., Rennke, H. G., Brenner, B. M., and Tilney, N. L.

Brenner, M. B. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.

Breslow, J. L. *See* Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A.

Brett, J. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.

Breyer, M. D. *See* Harris, R. C., McKanna, J. A., Akai, Y., Jacobson, H. R., Dubois, R. N., and Breyer, M. D.

Brezis, M. *See* Agmon, Y., Peleg, H., Greenfeld, Z., Rosen, S., and Brezis, M.

Bridon, J.-M. *See* Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J.

Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J. Interleukin 10 induces B lymphocytes from IgA-deficient patients to secrete IgA. 97.

Briggs, J. P. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.

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Britton, R. S. *See* Ramm, G. A., Britton, R. S., O'Neill, R., and Bacon, B. R.

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Brown, D. H. *See* Wiezorek, J. S., Brown, D. H., Kupperman, D. E., and Brass, C. A.
Brown, M. *See* Segal, G. M., Magenis, R. E., Brown, M., Keeble, W., Smith, T. D., Heinrich, M. C., and Babgy, G. C., Jr.
— *See* Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G.
Brown, M. G. *See* Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M.
Brownlee, M. *See* Giardino, I., Edelstein, D., and Brownlee, M.
Bruce, C. *See* Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A.
Bruce, D., Perry, D. J., Borg, J.-Y., Carrell, R. W., and Wardell, M. R. Thromboembolic disease due to thermolabile conformational changes of antithrombin Rouen-VI (187 Asn→Asp). 2265.
Bruneau, B. G. *See* Yokota, N., Bruneau, B. G., Kuroski de Bold, M. L., and de Bold, A.
Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F. *Chlamydia trachomatis* from individuals in a sexually transmitted disease core group exhibit frequent sequence variation in the major outer membrane protein (omp1) gene. 458.
Brunner, M. *See* Schutzer, S. E., Coyle, P. K., Dunn, J. J., Luft, B. J., and Brunner, M.
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Buckley, R. H. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.
Budavari, A. *See* Hotamisligil, G. S., Budavari, A., Murray, D., and Spiegelman, B. M.
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Buist, N. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Bullough, D. A., Zhang, C., Montag, A., Mullane, K. M., and Young, M. A. Adenosine-mediated inhibition of platelet aggregation by acadesine. A novel antithrombotic mechanism in vitro and in vivo. 1524.
Bumbalo, L. M. *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.
— *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.
Bumpers, H. L., Alosco, T. R., Wang, H.-Q., Petrelli, N. J., Hoover, E. L., and Bankert, R. B. Human villous adenomas engrafted into scid mice survive for prolonged period without malignant transformation. 2153.
Buono, C. *See* Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G.
Burdick, M. D. *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.
Burger, A. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.
Burkard, P. G. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.
Burkey, B. *See* Zhang, S. H., Reddick, R. L., Burkey, B., and Maeda, N.
Burleson, K. O. *See* Gottlieb, R. A., Burleson, K. O., Kloner, R., Babior, B. M., and Engler, R. L.
Burlingame, R. W., Boey, M. L., Starkebaum, G., and Rubin, R. L. The central role of chromatin in autoimmune responses to histones and DNA in systemic lupus erythematosus. 184.
Burton, S. *See* Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G.
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Byun, D.-G. *See* Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G.

C

Cable, E. E., Pepe, J. A., Karamitsios, N. C., Lambrecht, R. W., and Bonkovsky, H. L. Differential effects of metalloporphyrins on messenger RNA levels of δ-aminolevulinate synthase and heme oxygenase. Studies in cultured chick embryo liver cells. 649.
Cai, B. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.
Calderone, A. *See* Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S.
Calhoun, W. J., Dick, E. C., Schwartz, L. B., and Busse, W. W. A common cold virus, rhinovirus 16, potentiates airway inflammation after segmental antigen bronchoprovocation in allergic subjects. 2200.
Campana, D. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.
Campbell, K. P. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Campbell, L. *See* Atkinson, M. A., Bowman, M. A., Campbell, L., Darrow, B. L., Kaufman, D. L., and Maclaren, N. K.
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Cannon, P. J. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.
Caparon, M. G. *See* Okada, N., Pentland, A. P., Falk, P., and Caparon, M. G.
Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G. Bicarbonate transport along the loop of Henle. II. Effects of acid-base, dietary, and neurohumoral determinants. 830.
Capdevila, J. H. *See* Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H.
Card, A. *See* Ganju, R. K., Sunday, M., Tsarwhas, D. G., Card, A., and Shipp, M. A.
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— *See* Sasahara, M., Raines, E. W., Chait, A., Carew, T. E., Steinberg, D., Wahl, P. W., and Ross, R.
Carlson, S. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.
Carr, L. S. *See* Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., and Lefkowith, J. B.
Carrell, R. W. *See* Bruce, D., Perry, D. J., Borg, J.-Y., Carrell, R. W., and Wardell, M. R.
Carr-Locke, D. L. *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.
Carson, D. A. The value of epitope mapping in autoimmune diseases. 1713.
Casey, M. L., MacDonald, P. C., and Andersson, S. 17β-hydroxysteroid dehydrogenase type 2: chromosomal assignment and progestin regulation of gene expression in human endometrium. 2135.
Casini-Raggi, V. *See* Ferretti, M., Casini-Raggi, V., Pizarro, T. T., Eisenberg, S. P., Nast, C. C., and Cominelli, F.
Caspi, R. R. *See* Rizzo, L. V., Miller-Rivero, N. E., Chan, C.-C., Wiggert, B., Nussenblatt, R. B., and Caspi, R. R.
Catanzariti, L. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.
Caumo, A. *See* Alzaid, A. A., Dinneen, S. F., Turk, D. J., Caumo, A., Cobelli, C., and Rizza, R. A.
Cavaillon, J.-M. *See* Zychlinsky, A., Fitting, C., Cavaillon, J.-M., and Sansonetti, P. J.
Cepek, K. L. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.
Cepinskas, G. *See* Osborne, D. L., Aw, T. Y., Cepinskas, G., and Kvietys, P. R.
Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and San-

toli, D. Reversal of acute myelogenous leukemia in humanized SCID mice using a novel adoptive transfer approach. 1076.
Chait, A. *See* Kawamura, M., Heinecke, J. W., and Chait, A.
— *See* Sasahara, M., Raines, E. W., Chait, A., Carew, T. E., Steinberg, D., Wahl, P. W., and Ross, R.
Chan, B. *See* Finck, B. K., Chan, B., and Wofsy, D.
Chan, C.-C. *See* Rizzo, L. V., Miller-Rivero, N. E., Chan, C.-C., Wiggert, B., Nussenblatt, R. B., and Caspi, R. R.
Chang, D. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.
Chang, P. L. *See* Bastedo, L. B., Sands, M. S., Lambert, D. T., Pisa, M. A., Birkenmeier, E., and Chang, P. L.
Chang, S.-W., and Ohara, N. Chronic biliary obstruction induces pulmonary intravascular phagocytosis and endotoxin sensitivity in rats. 2009.
Chang, Y. *See* Haftel, H. M., Chang, Y., Hinderer, R., Hanash, S. M., and Holoshitz, J.
Chapleau, M. W. *See* Hajduczok, G., Chapleau, M. W., Ferlic, R. J., Mao, H. Z., and Abboud, F. M.
Chatterjee, K. K. *See* Adams, M., Matthews, C., Collingwood, T. N., Tone, Y., Beck-Peccoz, P., and Chatterjee, K. K.
Chaverri-Almada, L. *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.
Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L. Mechanism of compensatory hyperinsulinemia in normoglycemic insulin-resistant spontaneously hypertensive rats. Augmented enzymatic activity of glucokinase in β-cells. 399.
Chen, C., Hosokawa, H., Bumbalo, L. M., Leahy, J. L. Regulatory effects of glucose on the catalytic activity and cellular content of glucokinase in the pancreatic β cell. Study using cultured rat islets. 1616.
Chen, C.-H., Astrin, K. H., Lee, G., Anderson, K. E., and Desnick, R. J. Acute intermittent porphyria: identification and expression of exonic mutations in the hydroxymethylbilane synthase gene. 1927.
Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J. Renin and renin mRNA in proximal tubules of the rat kidney. 237.
Cherney, B. *See* Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G.
Cheung, A. L., Eberhardt, K. J., Chung, E., Yeaman, M. R., Sullam, P. M., Ramos, M., and Bayer, A. S. Diminished virulence of *sar*$^-$/*agr*$^-$ mutant of *Staphylococcus aureus* in the rabbit model of endocarditis. 1815.
Chevet, D. *See* Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J.
Chojkier, M. *See* Houglum, K., Buck, M., Adir, V., and Chojkier, M.
Chowdhury, J. R. *See* Seppen, J., Bosma, P. J., Goldhoom, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J.
Chowdhury, N. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.
Chowdhury, N. R. *See* Seppen, J., Bosma, P. J., Goldhoom, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J.
Chretien, J. *See* Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G.
Christian, J. *See* Hustmyer, F. G., Peacock, M., Hui, S., Johnston, C. C., and Christian, J.
Christiansen, J. S. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.
Chu, C.-S. *See* Maruyama, M., Hay, J. G., Yoshimura, K., Chu, C.-S., and Crystal, R. G.
Chu, N. R. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.
Chung, E. *See* Cheung, A. L., Eberhardt, K. J., Chung, E., Yeaman, M. R., Sullam, P. M., Ramos, M., and Bayer, A. S.
Chuttani, R. *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.
Ciani, F. *See* Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G.
Cioé, L. *See* Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and Santoli, D.
Clark, S. C. *See* Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and Santoli, D.
Clevers, H. *See* Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T.
Cline, G. W., Rothman, D. L., Magnusson, I., Katz, L. D., and Shulman, G. I. ^{13}C-Nuclear magnetic resonance spectroscopy studies of hepatic glucose metabolism in normal subjects and subjects with insulin-dependent diabetes mellitus. 2369.
Clodi, M. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.
Cobelli, C. *See* Alzaid, A. A., Dinneen, S. F., Turk, D. J., Caumo, A., Cobelli, C., and Rizza, R. A.
Coetzer, T. L. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.
Cohen, J. C., Wang, Z., Grundy, S. M., Stoesz, M. R., and Guerra, R. Variation at the hepatic lipase and apolipoprotein AI/CIII/AIV loci is a major cause of genetically determined variation in plasma HDL cholesterol levels. 2377.
Cohen, S. B. A. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.
Colgan, S. P. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.
Colli, M. J. *See* Klein, K. O., Baron, J., Colli, M. J., McDonnell, D. P., and Cutler, G. B., Jr.
Collingwood, T. N. *See* Adams, M., Matthews, C., Collingwood, T. N., Tone, Y., Beck-Peccoz, P., and Chatterjee, K. K.
Colucci, W. S. *See* Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S.
Cominelli, F. *See* Ferretti, M., Casini-Raggi, V., Pizarro, T. T., Eisenberg, S. P., Nast, C. C., and Cominelli, F.
Condamine, L., Vztovsnik, F., Friedlander, G., Menaa, C., and Garabédian, M. Local action of phosphate depletion and insulin-like growth factor 1 on in vitro production of 1,25-dihydroxyvitamin D by cultured mammalian kidney cells. 1673.
Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D. Hyper IgM syndrome associated with defective CD40-mediated B cell activation. 1404.
Cook, W. J. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.
Cooke, T. D. V. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.
Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M. Chronic exposure to tumor necrosis factor (TNF) in vitro impairs the activation of T cells through the T cell receptor/CD3 complex; reversal in vivo by anti-TNF antibodies in patients with rheumatoid arthritis. 749.
Corbett, J. D., Agre, P., Palek, J., and Golan, D. E. Differential control of band 3 lateral and rotational mobility in intact red cells. 683.
Cornillet, P. *See* Crestani, B., Cornillet, P., Dehoux, M., Rolland, C., Guenounou, M., and Aubier, M.
Cottin, C. *See* Guyon, T., Levasseur, P., Truffault, F., Cottin, C., Gaud, C., and Berrih-Aknin, S.
Courtens, W. *See* Abramowicz, M. J., Andrien, M., Dupont, E., Dorchy, H., Parma, J., Duprez, L., Ledley, F. D., Courtens, W., and Vamos, E.
Coustan-Smith, E. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.
Coutinho, R. A. *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.
Coyle, A. J., Perretti, F., Manzini, S., and Irvin, C. G. Cationic protein–induced sensory nerve activation. Role of substance P in airway hyperresponsiveness and plasma protein extravasation. 2301.
Coyle, P. K. *See* Schutzer, S. E., Coyle, P. K., Dunn, J. J., Luft, B. J., and Brunner, M.
Crassi, K. M. *See* Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J.
Crestani, B., Cornillet, P., Dehoux, M., Rolland, C., Guenounou, M., and Aubier, M. Alveolar type II epithelial cells produce interleu-

kin-6 in vitro and in vivo. Regulation by alveolar macrophage secretory products. 731.
Crippes, B. A. *See* Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., and Lefkowith, J. B.
Crist, W. M. *See* Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E.
Crouch, E. C. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.
Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B. Autoantigen-specific T cell proliferation induced by the ribosomal P2 protein in patients with systemic lupus erythematosus. 345.
— *See* Li, Y., Sun, G.-R., Tumang, J. R., Crow, M. K., and Friedman, S. M.
Crystal, R. G. *See* Maruyama, M., Hay, J. G., Yoshimura, K., Chu, C.-S., and Crystal, R. G.
Cumutte, J. T. *See* Newburger, P. E., Skalnik, D. G., Hopkins, P. J., Eklund, E. A., and Cumutte, J. T.
Cutler, G. B., Jr. *See* Klein, K. O., Baron, J., Colli, M. J., McDonnell, D. P., and Cutler, G. B., Jr.
Cybulsky, A. V., McTavish, A. J., and Cyr, M.-D. Extracellular matrix modulates epidermal growth factor receptor activation in rat glomerular epithelial cells. 68.
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Dabholkar, M., Vionnet, J., Bostick-Bruton, F., Yu, J. J., and Reed, E. Messenger RNA levels of XPAC and ERCC1 in ovarian cancer tissue correlate with response to platinum-based chemotherapy. 703.
Dahlbäck, B. Physiological anticoagulation. Resistance to activated protein C and venous thromboembolism. 923.
— *See* Zöller, B., Svensson, P. J., He, X., and Dahlbäck, B.
Dalakas, M. C. *See* Basta, M., and Dalakas, M. C.
Dalla Venezia, N. *See* Lorenzo, F., Dalla Venezia, N., Morié, L., Baklouti, F., Alloisio, N., Ducluzeau, M.-T., Roda, L., Lefrançois, P., and Delaunay, J.
Dananberg, J. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.
Danilenko, D. M. *See* Simonet, W. S., Hughes, T. M., Nguyen, H. Q., Trebasky, L. D., Danilenko, D. M., and Medlock, E. S.
Daram, P. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.
Darrow, B. L. *See* Atkinson, M. A., Bowman, M. A., Campbell, L., Darrow, B. L., Kaufman, D. L., and Maclaren, N. K.
Daugherty, A., Dunn, J. L., Rateri, D. L., and Heinecke, J. W. Myeloperoxidase, a catalyst for lipoprotein oxidation, is expressed in human atherosclerotic lesions. 437.
Davies, M. G., Ramkumar, V., Gettys, T. W., and Hagen, P.-O. The expression and function of G-proteins in experimental intimal hyperplasia. 1680.
Davis, C. W. *See* Willumsen, N. J., Davis, C. W., and Boucher, R. C.
Davis, P. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.
de Berardinis, P. *See* Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G.
de Bold, A. *See* Yokota, N., Bruneau, B. G., Kuroski de Bold, M. L., and de Bold, A.
Deeb, S. S. *See* Laakso, M., Maikki, M., Kekäläinen, P., Kuusisto, J., and Deeb, S. S.
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Dehoux, M. *See* Crestani, B., Cornillet, P., Dehoux, M., Rolland, C., Guenounou, M., and Aubier, M.
Deisseroth, A. B., and Koenig, J. Interaction of the seed and the soil. 3.
de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M. Variable expression of familial dysbetalipoproteinemia in apolipoprotein E*2(Lys146→Gln) allele carriers. 1252.
de la Motte, C. *See* Faruqi, R., de la Motte, C., and DiCorleto, P. E.
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DeLarco, J. E. *See* Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., and Lefkowith, J. B.
Delaunay, J. *See* Lorenzo, F., Dalla Venezia, N., Morié, L., Baklouti, F., Alloisio, N., Ducluzeau, M.-T., Roda, L., Lefrançois, P., and Delaunay, J.
Delespesse, G. *See* Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G.
DelGiudice-Asch, G. *See* Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B.
Delp-Archer, C. *See* Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L.
deMartinville, B. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.
Demeure, C. E. *See* Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G.
DeMott-Friberg, R. *See* Bermann, M., Jaffe, C. A., Tsai, W., DeMott-Friberg, R., and Barkan, A. L.
Dene, H. *See* Deng, A. Y., Dene, H., and Rapp, J. P.
Deng, A. Y., Dene, H., and Rapp, J. P. Mapping of a quantitative trait locus for blood pressure on rat chromosome 2. 431.
Deng, Y. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.
DeRiel, K. *See* Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M.
de Rose, V., Rolla, G., Bucca, C., Ghio, P., Bertoletti, M., Badema, P., and Pozzi, E. Intercellular adhesion molecule-1 is upregulated on peripheral blood T lymphocyte subsets in dual asthmatic responders. 1840.
de Santo, N. G. *See* Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G.
Desnick, R. J. *See* Chen, C.-H., Astrin, K. H., Lee, G., Anderson, K. E., and Desnick, R. J.
— *See* Wang, A. M., Kanzaki, T., and Desnick, R. J.
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Deune, E. G. *See* Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F.
Devine, P. L. *See* Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F.
Dewey, C. F., Jr. *See* Nagel, T., Resnick, N., Atkinson, W. J., Dewey, C. F., Jr., and Gimbrone, M. A., Jr.
Diacovo, T. G., deFougerolles, A. R., Bainton, D. F., and Springer, T. A. A functional integrin ligand on the surface of platelets: Intercellular adhesion molecule-2. 1243.
Diamond, B. *See* Irigoyen, M., Manheimer-Lory, A., Gaynor, B., and Diamond, B.
Dias, P. *See* Shapiro, D. N., Jones, B. G., Shapiro, L. H., Dias, P., and Houghton, P. J.
Diaz, L. *See* Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G.
Diaz, S. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Diaz-Sanchez, D., Dotson, A. R., Takenaka, H., and Saxon, A. Diesel exhaust particles induce local IgE production in vivo and alter the pattern of IgE messenger RNA isoforms. 1417.
DiBenedetto, P. *See* Yaar, M., Eller, M. S., DiBenedetto, P., Reenstra, W. R., Zhai, S., McQuaid, T., Archambault, M., and Gilchrest, B. A.
Dick, E. C. *See* Calhoun, W. J., Dick, E. C., Schwartz, L. B., and Busse, W. W.
DiCorleto, P. E. *See* Faruqi, R., de la Motte, C., and DiCorleto, P. E.

DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A. Airway epithelial cell expression of interleukin-6 in transgenic mice. Uncoupling of airway inflammation and bronchial hyperractivity. 2028.
Dieplinger, H. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.
Dieppe, P. A. *See* Poole, A. R., Ionescu, M., Swan, A., and Dieppe, P. A.
Dietz, H. C. *See* Aoyama, T., Francke, U., Dietz, H. C., and Furthmayr, H.
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Dignass, A., Lynch-Devaney, K., Kindon, H., Thim, L., and Podolsky, D. K. Trefoil peptides promote epithelial migration through a transforming growth factor β–independent pathway. 376.
Dijkman, H. B. P. M. *See* Kramers, C., Hylkema, M. N., Van Bruggen, M. C. J., Van de Lagemaat, R., Dijkman, H. B. P. M., Assmann, K. J. M., Smeenk, R. J. T., and Berden, J. H. M.
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Drumond, M. C., Kristal, B., Myers, B. D., and Deen, W. M. Structural basis for reduced glomerular filtration capacity in nephrotic humans. 1187.
D'Souza, S. W. *See* Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P.
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Dubois, C. M. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
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Duprez, L. *See* Abramowicz, M. J., Andrien, M., Dupont, E., Dorchy, H., Parma, J., Duprez, L., Ledley, F. D., Courtens, W., and Vamos, E.
Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J. Antibody to the ligand of CD40, gp39, blocks the occurrence of the acute and chronic forms of graft-vs-host disease. 1333.
Durovic, S. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.
Durum, S. K. *See* Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J.
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— *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.

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Eaker, E. Y. *See* Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr.
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Eddahibi, S. *See* Kouyoumdjian, C., Adnot, S., Levame, M., Eddahibi, S., Bousbaa, H., and Raffestin, B.
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Edelstein, D. *See* Giardino, I., Edelstein, D., and Brownlee, M.
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Egawa, M. *See* Schwabe, M., Brini, A. T., Bosco, M. C., Rubboli, F., Egawa, M., Zhao, J., Princler, G. L., and Kung, H.-f.
Eggleton, P. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.
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Elias, J. A. *See* DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A.
Elkon, K. B. *See* Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B.
Eller, M. S. *See* Yaar, M., Eller, M. S., DiBenedetto, P., Reenstra, W. R., Zhai, S., McQuaid, T., Archambault, M., and Gilchrest, B. A.
Elliott, M. J. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.
Ellison, K. E. *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.
Elsbach, P. *See* Levy, O., Ooi, C. E., Weiss, J., Lehrer, R. I., and Elsbach, P.
Emanuel, B. S. *See* Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A.
Emmons, C. *See* Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I.
Engler, R. L. *See* Gottlieb, R. A., Burleson, K. O., Kloner, R., Babior, B. M., and Engler, R. L.
Enk, A. H. *See* Müller, G., Saloga, J., Germann, T., Bellinghausen, I., Mohamadzadeh, M., Knop, J., and Enk, A. H.
Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C. Block of AIDS-Kaposi's sarcoma (KS) cell growth, angiogenesis, and lesion formation in nude mice by antisense oligonucleotide targeting basic fibroblast growth factor. A novel strategy for the therapy of KS. 1736.
Estrov, Z. *See* Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R.
Eto, T. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.
Evans, G. A. *See* Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A.
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Exner, M. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.

Eyrnard, B. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.

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Fagan, J. M. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.

Falck, J. R. *See* Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H.

Falk, P. *See* Okada, N., Pentland, A. P., Falk, P., and Caparon, M. G.

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Fanen, P., Guidoux, S., Sarde, C.-O., Mandel, J.-L., Goossens, M., and Aubourg, P. Identification of mutations in the putative ATP-binding domain of the adrenoleukodystrophy gene. 516.

Fang, Z.-T. *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.

Farley, P. J. *See* Pouvelle, B., Farley, P. J., Long, C. A., and Taraschi, T. F.

Faruqi, R., de la Motte, C., and DiCorleto, P. E. α-Tocopherol inhibits agonist-induced monocytic cell adhesion to cultured human endothelial cells. 592.

Fast, L. D. *See* Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J.

Faunt, L. M. *See* Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D.

Feigen, L. P. *See* Wu, X., Helfrich, M. H., Horton, M. A., Feigen, L. P., and Lefkowith, J. B.

Feinglos, M. N. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.

Feingold, K. R. *See* Hardardóttir, I., Kunitake, S. T., Moser, A. H., Doerrier, W. T., Rapp, J. H., Grünfeld, C., and Feingold, K. R.

Feldman, E. L. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.

Feldmann, M. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.

Ferbel, B. *See* Nasir, A., Ferbel, B., Salminen, W., Barth, R. K., and Gaspari, A. A.

Ferguson, D. *See* Pørksen, N., Munn, S., Ferguson, D., O'Brien, T., Veldhuis, J., and Butler, P.

Ferlic, R. J. *See* Hajduczok, G., Chapleau, M. W., Ferlic, R. J., Mao, H. Z., and Abboud, F. M.

Fernández, J. A. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.

Fernández-Checa, J. C. *See* García-Ruiz, C., Morales, A., Ballesta, A., Rodés, J., Kaplowitz, N., and Fernández-Checa, J. C.

Ferrannini, E. *See* Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E.

Ferrante, R. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.

Ferretti, M., Casini-Raggi, V., Pizarro, T. T., Eisenberg, S. P., Nast, C. C., and Cominelli, F. Neutralization of endogenous IL-1 receptor antagonist exacerbates and prolongs inflammation in rabbit immune colitis. 449.

Finck, B. K., Chan, B., and Wofsy, D. Interleukin 6 promotes murine lupus in NZB/NZW F_1 mice. 585.

Fine, L. G. *See* Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G.

Fineberg, N. *See* Steinberg, H. O., Brechtel, G., Johnson, A., Fineberg, N., and Baron, A. D.

Fiorelli, V. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.

Fischer, J. E. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.

Fishman, G. I. *See* Passman, R. S., and Fishman, G. I.

Fitting, C. *See* Zychlinsky, A., Fitting, C., Cavaillon, J.-M., and Sansonetti, P. J.

Fitzpatrick, L. A., Severson, A., Edwards, W. D., and Ingram, R. T. Diffuse calcification in human coronary arteries. Association of osteopontin with atherosclerosis. 1597.

Flavell, R. A. *See* DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A.

Fligiel, S. E. G. *See* Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J.

Fogelman, A. M. *See* Fyfe, A. I., Stevenson, L. W., Harper, C. M., Drinkwater, D. C., Laks, H., Fogelman, A. M., and Berliner, J. A.

— *See* Liao, F., Andalibi, A., Qiao, J.-H., Allayee, H., Fogelman, A. M., and Lusis, A. J.

— *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.

Folkesson, H. G. *See* Pittet, J. F., Wiener-Kronish, J. P., McElroy, M. C., Folkesson, H. G., and Matthay, M. A.

Fontana, A. *See* Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A.

Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A. C5a-induced expression of P-selectin in endothelial cells. 1147.

Forman, J. D., Klein, J. T., Silver, R. F., Liu, M. C., Greenlee, B. M., and Moller, D. R. Selective activation and accumulation of oligoclonal Vβ-specific T cells in active pulmonary sarcoidosis. 1533.

Foteh, A. *See* Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R.

Fouchier, R. A. M., Brouwer, M., Kootstra, N. A., Huisman, H. G., and Schuitemaker, H. HIV-1 macrophage tropism is determined at multiple levels of the viral replication cycle. 1806.

Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T. Large deletion of the peroxisomal acyl-CoA oxidase gene in pseudoneonatal adrenoleukodystrophy. 526.

Foy, T. M., Masters, S. R., and Noelle, R. J. Hyper IgM syndrome: two mutations distinguish HIM. 1349.

Francke, U. *See* Aoyama, T., Francke, U., Dietz, H. C., and Furthmayr, H.

Frangione, B. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.

Frank, S. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.

Frants, R. R. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.

Frascerra, S. *See* Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E.

Freeze, H. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.

Frei, K. *See* Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A.

Fridkin, M. *See* Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E.

Friedlander, G. *See* Condamine, L., Vztovsnik, F., Friedlander, G., Menaa, C., and Garabédian, M.

Friedman, M. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.

Friedman, S. L. *See* Wong, L., Yamasaki, G., Johnson, R. J., and Friedman, S. L.

Friedman, S. M. *See* Li, Y., Sun, G.-R., Tumang, J. R., Crow, M. K., and Friedman, S. M.

Friolet, R., Hoppeler, H., and Krähenbühl, S. Relationship between the coenzyme A and the carnitine pools in human skeletal muscle at rest and after exhaustive exercise under normoxic and acutely hypoxic conditions. 1490.

Frist, W. H. *See* Zhao, X.-M., Frist, W. H., Yeoh, T.-K., and Miller, G. G.

Froesch, E. R. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.

Fruebis, J., Steinberg, D., Dresel, H. A., and Carew, T. E. A comparison of the antiatherogenic effects of probucol and of a structural analogue of probucol in low density lipoprotein receptor–deficient rabbits. 392.

Fryder-Doffey, F. *See* Hsia, C. C. W., Herazo, L. F., Fryder-Doffey, F., and Weibel, E. R.

Fu, S. M. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.

Fujinaga, M. *See* Okazaki, M., Hu, Z.-W., Fujinaga, M., and Hoffman, B. B.

Fukamizu, A. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.

Fukumoto, M. *See* Masuda, H., Fukumoto, M., Hirayoshi, K., and Nagata, K.

Fukunaga, H. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.

Furcht, L. T. *See* Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B.

Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M. Studies of thrombin-induced proteoglycan release in the degradation of human and bovine cartilage. 472.

Furthmayr, H. *See* Aoyama, T., Francke, U., Dietz, H. C., and Furthmayr, H.

Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H. Clonal expansion of $CD8^+$ cytotoxic T lymphocytes against human T cell lymphotropic virus type I (HTLV-I) genome products in HTLV-I-associated myelopathy/tropical spastic paraparesis patients. 1830.

— *See* Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H.

Fuse, I. *See* Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M, and Narumiya, S.

Fushimi, K. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.

Fyfe, A. I., Qiao, J.-H., and Lusis, A. J. Immune-deficient mice develop typical atherosclerotic fatty streaks when fed an atherogenic diet. 2516.

Fyfe, A. I., Stevenson, L. W., Harper, C. M., Drinkwater, D. C., Laks, H., Fogelman, A. M., Berliner, J. A. Recipient mononuclear cell recognition and adhesion to graft endothelium after human cardiac transplantation. Lymphocyte recognition leads to monocyte adhesion. 2142.

G

Gaboury, C. L., Simonson, D. C., Seely, E. W., Hollenberg, N. K., and Williams, G. H. Relation of pressor responsiveness to angiotensin II and insulin resistance in hypertension. 2295.

Gaiardy, R. E. *See* Gijbels, K., Galardy, R. E., and Steinman, L.

Galis, Z. S., Sukhova, G. K., Lark, M. W., and Libby, P. Increased expression of matrix metalloproteinases and matrix degrading activity in vulnerable regions of human atherosclerotic plaques. 2493.

Gallegos, C. *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.

Galliani, C. *See* Haddad, I. Y., Pataki, G., Hu, P., Galliani, C., Beckman, J. S., and Matalon, S.

Gallo, R. C. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.

Galvan, A. Q. *See* Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E.

Ganju, R. K., Sunday, M., Tsarwhas, D. G., Card, A., and Shipp, M. A. CD10/NEP in non-small cell lung carcinomas. Relationship to cellular proliferation. 1784.

Ganten, D. *See* Satoh, S., Kreutz, R., Wilm, C., Ganten, D., and Pfitzer, G.

Garabédian, M. *See* Condamine, L., Vztovsnik, F., Friedlander, G., Menaa, C., and Garabédian, M.

García, C. *See* Arias-Díaz, J., Vara, E., García, C., and Balibrea, J. L.

García-Ruiz, C., Morales, A., Ballesta, A., Rodés, J., Kaplowitz, N., and Fernández-Checa, J. C. Effect of chronic ethanol feeding on glutathione and functional integrity of mitochondria in periportal and perivenous rat hepatocytes. 193.

Gardner, J. P. *See* Balasubramanyam, M., Rohowsky-Kochan, C., Reeves, J. P., and Gardner, J. P.

Garrett, M. C. *See* Bhardwaj, N., Bender, A., Gonzalez, N., Bui, L. K., Garrett, M. C., and Steinman, R. M.

Gaspari, A. A. *See* Nasir, A., Ferbel, B., Salminen, W., Barth, R. K., and Gaspari, A. A.

Gaud, C. *See* Guyon, T., Levasseur, P., Truffault, F., Cottin, C., Gaud, C., and Berrih-Aknin, S.

Gaynor, B. *See* Irigoyen, M., Manheimer-Lory, A., Gaynor, B., and Diamond, B.

Geba, G. P. *See* DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A.

Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L. In healthy primates, circulating autoreactive T Cells mediate autoimmune disease. 1339.

Gendelman, R. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.

Geppetti, P. *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.

Germann, T. *See* Müller, G., Saloga, J., Germann, T., Bellinghausen, I., Mohamadzadeh, M., Knop, J., and Enk, A. H.

Gershwin, M. E. *See* Merino, R., Iwamoto, M., Gershwin, M. E., and Izui, S.

Gesualdo, L., Di Paolo, S., Milani, S., Pinzani, M., Grappone, C., Ranieri, E., Pannarale, G., and Schena, F. P. Expression of platelet-derived growth factor receptors in normal and diseased human kidney. An immunohistochemistry and in situ hybridization study. 50.

Gettys, T. W. *See* Davies, M. G., Ramkumar, V., Gettys, T. W., and Hagen, P.-O.

Getzler, S. B. *See* Watson, J. B., Getzler, S. B., and Mosher, D. F.

Gewirtz, A. M. *See* Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M.

Ghio, P. *See* de Rose, V., Rolla, G., Bucca, C., Ghio, P., Bertoletti, M., Badema, P., and Pozzi, E.

Ghione, S. *See* Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E.

Giardino, I., Edelstein, D., and Brownlee, M. Nonenzymatic glycosylation in vitro and in bovine endothelial cells alters basic fibroblast growth factor activity. A model for intracellular glycosylation in diabetes. 110.

Gibbons, G. H. *See* Morishita, R., Gibbons, G. H., Pratt, R. E., Tomita, N., Kaneda, Y., Ogihara, T., and Dzau, V. J.

— *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.

Giebisch, G. *See* Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G.

Gießauf, W. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.

Gijbels, K., Galardy, R. E., and Steinman, L. Reversal of experimental autoimmune encephalomyelitis with a hydroxamate inhibitor of matrix metalloproteases. 2177.

Gilbert, M. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.

Gilchrest, B. A. Turning back the clock: Retinoic acid modifies intrinsic aging changes. 1711.

— *See* Yaar, M., Eller, M. S., DiBenedetto, P., Reenstra, W. R., Zhai, S., McQuaid, T., Archambault, M., and Gilchrest, B. A.

Giles, A. R. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.

Gill, D. R. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Gilles, J. G., and Saint-Remy, J.-M. R. Healthy subjects produce both anti–factor VIII and specific anti-idiotypic antibodies. 1496.
Gimbrone, M. A., Jr. *See* Nagel, T., Resnick, N., Atkinson, W. J., Dewey, C. F., Jr., and Gimbrone, M. A., Jr.
Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A. EWS-*erg* and EWS-Fli1 fusion transcripts in Ewing's sarcoma and primitive neuroectodermal tumors with variant translocations. 489.
Giudice, L. C. *See* Rodgers, W. H., Matrislan, L. M., Giudice, L. C., Dsupin, B., Cannon, P., Svitek, C., and Gorstein, F.
Glatz, Y. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.
Glazier, J. D. *See* Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P.
Glovsky, M. M. *See* Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A.
Glowa, J. R. *See* Brady, L. S., Lynn, A. B., Glowa, J. R., Le, D. Q., and Herkenham, M.
Glowacki, J. *See* Goldring, M. B., Birkhead, J. R., Suen, L.-F., Yamin, R., Mizuno, S., Glowacki, J., Arbiser, J. L., and Apperley, J. F.
Goding, J. *See* Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R.
Golan, D. E. *See* Corbett, J. D., Agre, P., Palek, J., and Golan, D. E.
Goldberg, I. J. *See* Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A.
Goldhoom, B. G. *See* Seppen, J., Bosma, P. J., Goldhoom, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J.
Goldring, M. B., Birkhead, J. R., Suen, L.-F., Yamin, R., Mizuno, S., Glowacki, J., Arbiser, J. L., and Apperley, J. F. Interleukin-1β–modulated gene expression in immortalized human chondrocytes. 2307.
Gong, J. *See* Zhang, M., Gong, J., Iyer, D. V., Jones, B. E., Modlin, R. L., and Barnes, P. F.
Gonzalez, N. *See* Bhardwaj, N., Bender, A., Gonzalez, N., Bui, L. K., Garrett, M. C., and Steinman, R. M.
Goossens, M. *See* Fanen, P., Guidoux, S., Sarde, C.-O., Mandel, J.-L., Goossens, M., and Aubourg, P.
Gores, G. J. *See* Patel, T., Bronk, S. F., and Gores, G. J.
Goronzy, J. J., Bartz-Bazzanella, P., Hu, W., Jendro, M. C., Walser-Kuntz, D. R., and Weyand, C. M. Dominant clonotypes in the repertoire of peripheral CD4$^+$ T cells in rheumatoid arthritis. 2068.
— *See* Wagner, A. D., Goronzy, J. J., and Weyand, C. M.
Gorstein, F. *See* Rodgers, W. H., Matrislan, L. M., Giudice, L. C., Dsupin, B., Cannon, P., Svitek, C., and Gorstein, F.
Gottlieb, R. A., Burleson, K. O., Kloner, R., Babior, B. M., and Engler, R. L. Reperfusion injury induces apoptosis in rabbit cardiomyocytes. 1621.
Goudey-Lefevre, J. *See* West, D. B., Goudey-Lefevre, J., York, B., and Truett, G. E.
Gozes, I. *See* Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E.
Graf, H. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.
Graham, B. S. *See* Tang, Y.-W., and Graham, B. S.
Granger, D. N. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Granger, H. J. *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.
Granner, D. K. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Grappone, C. *See* Gesualdo, L., Di Paolo, S., Milani, S., Pinzani, M., Grappone, C., Ranieri, E., Pannarale, G., and Schena, F. P.
Green, W. R. *See* Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J.
Greene, D. A. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.
Greenfeld, Z. *See* Agmon, Y., Peleg, H., Greenfeld, Z., Rosen, S., and Brezis, M.
Greengard, J. S. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.
Greenlee, B. M. *See* Forman, J. D., Klein, J. T., Silver, R. F., Liu, M. C., Greenlee, B. M., and Moller, D. R.
Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E. Severe microcephaly induced on blockade of vasoactive intestinal peptide. No. function in the primitive neuroepithelium of the mouse. 2020.
Griffin, J. E. *See* Marcelli, M., Zoppi, S., Wilson, C. M., Griffin, J. E., and McPhaul, M. J.
Griffin, J. H. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.
Griffiths, C. E. M. *See* Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J.
Groop, L. C. *See* Beck-Nielsen, H., and Groop, L. C.
Groscurth, P. *See* Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A.
Grosmaire, L. S. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.
Grossman, W. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.
Grundy, S. M. *See* Cohen, J. C., Wang, Z., Grundy, S. M., Stoesz, M. R., and Guerra, R.
Grünfeld, C. *See* Hardardóttir, I., Kunitake, S. T., Moser, A. H., Doerrier, W. T., Rapp, J. H., Grünfeld, C., and Feingold, K. R.
Guenounou, M. *See* Crestani, B., Cornillet, P., Dehoux, M., Rolland, C., Guenounou, M., and Aubier, M.
Guerra, R. *See* Cohen, J. C., Wang, Z., Grundy, S. M., Stoesz, M. R., and Guerra, R.
Guidoux, S. *See* Fanen, P., Guidoux, S., Sarde, C.-O., Mandel, J.-L., Goossens, M., and Aubourg, P.
Gupta, R. *See* Koizumi, T., Gupta, R., Banerjee, M., and Newman, J. H.
Gupta, R. K. *See* Resnick, L. M., Gupta, R. K., DiFabio, B., Barbagallo, M., Mann, S., Marion, R., and Laragh, J. H.
Guret, C. *See* Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J.
Guyon, T., Levasseur, P., Truffault, F., Cottin, C., Gaud, C., and Berrih-Aknin, S. Regulation of acetylcholine receptor α subunit variants in human myasthenia gravis. Quantification of steady-state levels of messenger RNA in muscle biopsy using the polymerase chain reaction. 16.

H

Haddad, I. Y., Pataki, G., Hu, P., Galliani, C., Beckman, J. S., and Matalon, S. Quantitation of nitrotyrosine levels in lung sections of patients and animals with acute lung injury. 2407.
Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R. Postcapillary venule endothelial cells in kidney express a multispecific chemokine receptor that is structurally and functionally identical to the erythroid isoform, which is the Duffy blood group antigen. 985.
Haftel, H. M., Chang, Y., Hinderer, R., Hanash, S. M., and Holoshitz, J. Induction of the autoantigen proliferating cell nuclear antigen in T lymphocytes by a mycobacterial antigen. 1365.
Hagen, P.-O. *See* Davies, M. G., Ramkumar, V., Gettys, T. W., and Hagen, P.-O.
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Hajduczok, G., Chapleau, M. W., Ferlic, R. J., Mao, H. Z., and Abboud, F. M. Gadolinium inhibits mechanoelectrical transduction in rabbit carotid baroreceptors. Implication of stretch-activated channels. 2392.
Hales, C. A. Squat like a toad close at the ear of Eve. 919.
Haley, B. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.

Hamid, Q., Boguniewicz, M., and Leung, D. Y. M. Differential in situ cytokine gene expression in acute versus chronic atopic dermatitis. 870.

Hanash, S. M. *See* Haftel, H. M., Chang, Y., Hinderer, R., Hanash, S. M., and Holoshitz, J.

Hand, M. F. *See* Haynes, W. G., Hand, M. F., Johnstone, H., Padfield, P. L., and Webb, D. J.

Handberg, A. *See* Henriksen, J. E., Alford, F., Handberg, A., Vaag, A., Ward, G. M., Kalfas, A., and Beck-Nielsen, H.

Hansen, B. C. *See* Huang, Z., Bodkin, N. L., Ortmeyer, H. K., Hansen, B. C., and Shuldiner, A. R.

Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M. Basic fibroblast growth factor improves myocardial function in chronically ischemic porcine hearts. 623.

Haraki, T. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.

Hardardóttir, I., Kunitake, S. T., Moser, A. H., Doerrier, W. T., Rapp, J. H., Grünfeld, C., and Feingold, K. R. Endotoxin and cytokines increase hepatic messenger RNA levels and serum concentrations of apolipoprotein J (clusterin) in Syrian hamsters. 1304.

Hardy, S. P. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Harlow, L. A. *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.

Harper, C. M. *See* Fyfe, A. I., Stevenson, L. W., Harper, C. M., Drinkwater, D. C., Laks, H., Fogelman, A. M., and Berliner, J. A.

Harris, M. P. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.

Harris, R. C., McKanna, J. A., Akai, Y., Jacobson, H. R., Dubois, R. N., and Breyer, M. D. Cyclooxygenase-2 is associated with the macula densa of rat kidney and increases with salt restriction. 2504.

Hartman, J. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.

Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D. Enhanced basal and disorderly growth hormone secretion distinguish acromegalic from normal pulsatile growth hormone release. 1277.

Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K. Evidence for a protective role of pulmonary surfactant protein D (SP-D) against influenza A viruses. 311.

Hartter, E. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.

Hashimoto, T. *See* Amagai, M., Hashimoto, T., Shimizu, N., and Nishikawa, T.

Hasselgren, P.-O. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.

Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J. A novel mobile element inserted in the α spectrin gene: spectrin dayton. A truncated α spectrin associated with hereditary elliptocytosis. 643.

Hauser, S. L. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.

Havekes, L. M. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.

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Hay, J. G. *See* Maruyama, M., Hay, J. G., Yoshimura, K., Chu, C.-S., and Crystal, R. G.

Hayashi, H. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.

Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T. Expression and distribution of aquaporin of collecting duct are regulated by vasopressin V_2 receptor in rat kidney. 1778.

Hayashi, Y., Sunthornthepvarakul, T., and Refetoff, S. Mutations of CpG dinucleotides located in the triiodothyronine (T_3)-binding domain of the thyroid hormone receptor (TR) β gene that appears to be devoid of natural mutations may not be detected because they are unlikely to produce the clinical phenotype of resistance to thyroid hormone. 607.

Haynes, W. G., Hand, M. F., Johnstone, H., Padfield, P. L., and Webb, D. J. Direct and sympathetically mediated venoconstriction in essential hypertension. Enhanced responses to endothelin-1. 1359.

He, X. *See* Zöller, B., Svensson, P. J., He, X., and Dahlbäck, B.

ie, X.-R. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.

Heeger, P. S., Smoyer, W. E., Saad, T., Albert, S., Kelly, C. J., and Neilson, E. G. Molecular analysis of the helper T cell response in murine interstitial nephritis. T cells recognizing an immunodominant epitope use multiple T cell receptor Vβ genes with similarities across CDR3. 2084.

Heemann, U. W. *See* Mackenzie, H. S., Tullius, S. G., Heemann, U. W., Azuma, H., Rennke, H. G., Brenner, B. M., and Tilney, N. L.

Heinecke, J. W. *See* Daugherty, A., Dunn, J. L., Rateri, D. L., and Heinecke, J. W.

— *See* Kawamura, M., Heinecke, J. W., and Chait, A.

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Helfrich, M. H. *See* Wu, X., Helfrich, M. H., Horton, M. A., Feigen, L. P., and Lefkowith, J. B.

Helman, L. J. *See* Zhan, S., Shapiro, D. N., and Helman, L. J.

Hemler, M. E. *See* Lobb, R. R., and Hemler, M. E.

Henriksen, J. E., Alford, F., Handberg, A., Vaag, A., Ward, G. M., Kalfas, A., and Beck-Nielsen, H. Increased glucose effectiveness in normoglycemic but insulin-resistant relatives of patients with non-insulin–dependent diabetes mellitus. A novel compensatory mechanism. 1196.

Herazo, L. F. *See* Hsia, C. C. W., Herazo, L. F., Fryder-Doffey, F., and Weibel, E. R.

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Hesselgesser, J. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.

Heynen, H. F. G., Molero, M. L., de Groot, P. G., Nieuwenhuls, H. K., and Sixma, J. J. Absence of ligands bound to glycoprotein IIB-IIIA on the exposed surface of a thrombus may limit thrombus growth in flowing blood. 1098.

Hickman, S. *See* Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R.

Hiestand, D. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.

Higgins, C. F. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K. Abnormal expression of laminin suggests disturbance of sarcolemma–extracellular matrix interaction in Japanese patients with autosomal recessive muscular dystrophy deficient in adhalin. 601.

Higuchi, K. *See* Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A.

Hill, D. B. *See* Shedlofsky, S. I., Israel, B. C., McClain, C. J., Hill, D. B., and Blouin, R. A.

Hill, H. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.

Hill, J. M. *See* Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E.

Hinderer, R. *See* Haftel, H. M., Chang, Y., Hinderer, R., Hanash, S. M., and Holoshitz, J.

Hinek, A. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.

Hines, K. L. *See* Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B.

Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S. Regulation of sterol carrier protein 2 (SCP_2) gene expression in rat peritoneal macrophages during foam cell formation. 2215.

Hirakata, M. *See* Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H.

Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M., and Narumiya, S. Arg_{60} to Leu mutation of the human thromboxane A_2 receptor in a dominantly inherited bleeding disorder. 1662.

Hirayoshi, K. *See* Masuda, H., Fukumoto, M., Hirayoshi, K., and Nagata, K.

Hoff, H. F. *See* Hoppe, G., O'Neil, J., and Hoff, H. F.

Hoffman, B. B. *See* Okazaki, M., Hu, Z.-W., Fujinaga, M., and Hoffman, B. B.

Hoffman, K. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.

Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A. The random inactivation of the X chromosome carrying the defective gene responsible for X-linked hyper IgM syndrome (X-HIM) in female carriers of HIGM1. 616.

Hollenberg, N. K. *See* Gaboury, C. L., Simonson, D. C., Seely, E. W., Hollenberg, N. K., and Williams, G. H.

Holoshitz, J. *See* Haftel, H. M., Chang, Y., Hinderer, R., Hanash, S. M., and Holoshitz, J.

Holtz, J. *See* Studer, R., Reinecke, H., Müller, B., Holtz, J., Just, H., and Drexler, H.

Hong, S.-P. *See* Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F.

Hoogendorn, H. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.

Hooibrink, B. *See* Meyaard, L., Otto, S. A., Hooibrink, B., and Miedema, F.

Hoover, E. L. *See* Bumpers, H. L., Alosco, T. R., Wang, H.-Q., Petrelli, N. J., Hoover, E. L., and Bankert, R. B.

Hopkins, P. J. *See* Newburger, P. E., Skalnik, D. G., Hopkins, P. J., Eklund, E. A., and Cumutte, J. T.

Hoppe, G., O'Neil, J., and Hoff, H. F. Inactivation of lysosomal proteases by oxidized low density lipoprotein is partially responsible for its poor degradation by mouse peritoneal macrophages. 1506.

Hoppeler, H. *See* Friolet, R., Hoppeler, H., and Krähenbühl, S.

Hori, M. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.

— *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.

Horton, M. A. *See* Wu, X., Helfrich, M. H., Horton, M. A., Feigen, L. P., and Lefkowith, J. B.

Horuk, R. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.

Hoshida, S. *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.

Hosokawa, H. *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.

— *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.

Hotamisligil, G. S., Budavari, A., Murray, D., and Spiegelman, B. M. Reduced tyrosine kinase activity of the insulin receptor in obesity–diabetes. Central role of tumor necrosis factor-α. 1543.

Houghton, P. J. *See* Shapiro, D. N., Jones, B. G., Shapiro, L. H., Dias, P., and Houghton, P. J.

Houglum, K., Buck, M., Adir, V., and Chojkier, M. LAP (NF-IL6) transactivates the collagen α_1(I) gene from a 5′ regulatory region. 808.

Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F. Keratinocyte growth factor induces proliferation of hepatocytes and epithelial cells throughout the rat gastrointestinal tract. 1764.

Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr. Antimyenteric neuronal antibodies in scleroderma. 761.

Howell, M. D. *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.

Hsia, C. C. W., Herazo, L. F., Fryder-Doffey, F., and Weibel, E. R. Compensatory lung growth occurs in adult dogs after right pneumonectomy. 405.

Hu, P. *See* Haddad, I. Y., Pataki, G., Hu, P., Galliani, C., Beckman, J. S., and Matalon, S.

Hu, W. *See* Goronzy, J. J., Bartz-Bazzanella, P., Hu, W., Jendro, M. C., Walser-Kuntz, D. R., and Weyand, C. M.

Hu, Z.-W. *See* Okazaki, M., Hu, Z.-W., Fujinaga, M., and Hoffman, B. B.

Huang, D. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.

Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R. Expression of the murine plasma cell nucleotide pyrophosphohydrolase PC-1 is shared by human liver, bone, and cartilage cells. Regulation of PC-1 expression in osteosarcoma cells by transforming growth factor-β. 560.

Huang, Z., Bodkin, N. L., Ortmeyer, H. K., Hansen, B. C., and Shuldiner, A. R. Hyperinsulinemia is associated with altered insulin receptor mRNA splicing in muscle of the spontaneously obese diabetic rhesus monkey. 1289.

— *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.

Hudson, K. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.

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Hui, S. *See* Hustmyer, F. G., Peacock, M., Hui, S., Johnston, C. C., and Christian, J.

Huisman, H. G. *See* Fouchier, R. A. M., Brouwer, M., Kootstra, N. A., Huisman, H. G., and Schuitemaker, H.

Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R. Comparison of the effects of growth hormone and insulin-like growth factor I on substrate oxidation and on insulin sensitivity in growth hormone-deficient humans. 1126.

Hustmyer, F. G., Peacock, M., Hui, S., Johnston, C. C., and Christian, J. Bone mineral density in relation to polymorphism at the vitamin D receptor gene locus. 2130.

Hutchinson, W. L., Noble, G. E., Hawkins, P. N., and Pepys, M. B. The pentraxins, C-reactive protein and serum amyloid P component, are cleared and catabolized by hepatocytes in vivo. 1390.

Hyde, S. C. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Hyland, V. J. *See* Newman, P. M., To, S. S. T., Robinson, B. G., Hyland, V. J., and Schrieber, L.

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Imamichi, T. *See* Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B.

Imamura, T., Pike, R. N., Potempa, J., and Travis, J. Pathogenesis of periodontitis: a major arginine-specific cysteine proteinase from *Porphyromonas gingivalis* induces vascular permeability enhancement through activation of the kallikrein/kinin pathway. 361.

Imbert-Teboul, M. *See* Néant, F., Imbert-Teboul, M., and Bailly, C.
Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A. Pseudo-acylceramide with linoleic acid produces selective recovery of diminished cutaneous barrier function in essential fatty acid–deficient rats and has an inhibitory effect on epidermal hyperplasia. 89.
Inaba, T. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Inada, M. *See* Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M.
Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A. Genetic cholesteryl ester transfer protein deficiency caused by two prevalent mutations as a major determinant of increased levels of high density lipoprotein cholesterol. 1872.
Ingram, R. T. *See* Fitzpatrick, L. A., Severson, A., Edwards, W. D., and Ingram, R. T.
Inman, D. R. *See* Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J.
Inoue, M. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
Ionescu, M. *See* Poole, A. R., Ionescu, M., Swan, A., and Dieppe, P. A.
Irigoyen, M., Manheimer-Lory, A., Gaynor, B., and Diamond, B. Molecular analysis of the human immunoglobulin VλII gene family. 532.
Irvin, C. G. *See* Coyle, A. J., Perretti, F., Manzini, S., and Irvin, C. G.
Ishii, M. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Ishikawa, Y. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.
— *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.
Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H. Plasma levels of andrenomedullin, a newly identified hypotensive peptide, in patients with hypertension and renal failure. 2158.
Isozaki, T., Lea, J. P., Tumlin, J. A., and Sands, J. M. Sodium-dependent net urea transport in rat initial inner medullary collecting ducts. 1513.
Israel, B. C. *See* Shedlofsky, S. I., Israel, B. C., McClain, C. J., Hill, D. B., and Blouin, R. A.
Itoh, H. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.
Itoh, M. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.
Iwaki, H. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Iwamoto, M. *See* Merino, R., Iwamoto, M., Gershwin, M. E., and Izui, S.
Iwamoto, T. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Iyer, D. V. *See* Zhang, M., Gong, J., Iyer, D. V., Jones, B. E., Modlin, R. L., and Barnes, P. F.
Izui, S. *See* Merino, R., Iwamoto, M., Gershwin, M. E., and Izui, S.
Izzo, N. J., Jr. *See* Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S.

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Jacob, T. J. C. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.
Jacobsen, F. W. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
Jacobsen, S. E. W. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
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— *See* Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H.
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Jendro, M. C. *See* Goronzy, J. J., Bartz-Bazzanella, P., Hu, W., Jendro, M. C., Walser-Kuntz, D. R., and Weyand, C. M.
Jiang, X.-C. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.
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Johnson, K. J. *See* Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A.
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— *See* Wong, L., Yamasaki, G., Johnson, R. J., and Friedman, S. L.
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Jones, B. E. *See* Zhang, M., Gong, J., Iyer, D. V., Jones, B. E., Modlin, R. L., and Barnes, P. F.
Jones, B. G. *See* Shapiro, D. N., Jones, B. G., Shapiro, L. H., Dias, P., and Houghton, P. J.
Jones, D. A., McIntire, L. V., Smith, C. W., and Picker, L. J. A two-step adhesion cascade for T cell/endothelial cell interactions under flow conditions. 2443.
Jones, M. L. *See* Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A.
Joagen, P. J. H. *See* Benders, A. A. G. M., Veerkamp, J. H., Oosterhof, A., Jongen, P. J. H., Bindels, R. J. M., Smit, L. M. E., Busch, H. F. M., and Wevers, R. A.
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Just, H. *See* Studer, R., Reinecke, H., Müller, B., Holtz, J., Just, H., and Drexler, H.

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Kagnoff, M. F. A question of balance: ups and downs of mucosal inflammation. 1.
Kahwash, Z. *See* Nestler, J. E., and Kahwash, Z.
Kainulainen, K. *See* Ståhl-Hallengren, C., Ukkonen, T., Kainulainen, K., Kristofersson, U., Saxne, T., Tornqvist, K., and Peltonen, L.
Kajiwara, K. *See* Yanagihara, Y., Kajiwara, K., Ikizawa, K., Koshio, T., Okumura, K., and Ra, C.
Kakizuka, A. *See* Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M, and Narumiya, S.
Kalfas, A. *See* Henriksen, J. E., Alford, F., Handberg, A., Vaag, A., Ward, G. M., Kalfas, A., and Beck-Nielsen, H.
Kamada, T. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
— *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.
Kamijo, M. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.

Kammer, G. M., Khan, I. U., and Malemud, C. J. Deficient type I protein kinase A isozyme activity in systemic lupus erythematosus T lymphocytes. 422.

Kamon, N. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.

Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M. cAMP responsive element-mediated regulation of the gene transcription of the α1B adrenergic receptor by thyrotropin. 2245.

Kaneda, Y. *See* Morishita, R., Gibbons, G. H., Pratt, R. E., Tomita, N., Kaneda, Y., Ogihara, T., and Dzau, V. J.

— *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.

Kangawa, K. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.

Kantarjian, H. *See* Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R.

Kanzaki, T. *See* Wang, A. M., Kanzaki, T., and Desnick, R. J.

Kao, V. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.

Kaoutzani, P., Colgan, S. P., Cepek, K. L., Burkard, P. G., Carlson, S., Delp-Archer, C., Brenner, M. B., and Madara, J. L. Reconstitution of cultured intestinal epithelial monolayers with a mucosal-derived T lymphocyte cell line. Modulation of epithelial phenotype dependent on lymphocyte–basolateral membrane apposition. 788.

Kaplowitz, N. *See* García-Ruiz, C., Morales, A., Ballesta, A., Rodés, J., Kaplowitz, N., and Fernández-Checa, J. C.

Karamitsios, N. C. *See* Cable, E. E., Pepe, J. A., Karamitsios, N. C., Lambrecht, R. W., and Bonkovsky, H. L.

Karara, A. *See* Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H.

Karnovsky, M. J. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.

Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N. Autoimmune myocarditis induced in mice by cardiac C-protein. 1026.

Kashgarian, M. *See* Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J.

Kasper, D. L. *See* Madoff, L. C, Paoletti, L. C., Tai, J. Y., and Kasper, D. L.

Kastelein, J. J. P. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.

Kato, N. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.

Katz, L. D. *See* Cline, G. W., Rothman, D. L., Magnusson, I., Katz, L. D., and Shulman, G. I.

Kaufman, D. L. *See* Atkinson, M. A., Bowman, M. A., Campbell, L., Darrow, B. L., Kaufman, D. L., and Maclaren, N. K.

Kaufman, M. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.

Kautzky-Willer, A. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.

Kawamata, A. *See* Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A.

Kawamura, M., Heinecke, J. W., and Chait, A. Pathophysiological concentrations of glucose promote oxidative modification of low density lipoprotein by a superoxide-dependent pathway. 771.

Kawashima, T. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.

Kazemi-Esfarjani, P. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.

Keaney, J. F., Jr. *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.

Keeble, W. *See* Segal, G. M., Magenis, R. E., Brown, M., Keeble, W., Smith, T. D., Heinrich, M. C., and Babgy, G. C., Jr.

Keeley, F. W. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.

Keighley, C. S. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.

Kekäläinen, P. *See* Laakso, M., Maikki, M., Kekäläinen, P., Kuusisto, J., and Deeb, S. S.

Kelley, D. E., and Simoneau, J.-A. Impaired free fatty acid utilization by skeletal muscle in non–insulin-dependent diabetes mellitus. 2349.

Kelly, C. J. *See* Heeger, P. S., Smoyer, W. E., Saad, T., Albert, S., Kelly, C. J., and Neilson, E. G.

— *See* Meyers, C. M., and Kelly, C. J.

Kerjaschki, D. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.

Keusch, G. T. *See* Ortega-Barria, E., Ward, H. D., Keusch, G. T., and Pereira, M. E. A.

Khan, I. U. *See* Kammer, G. M., Khan, I. U., and Malemud, C. J.

Khawli, F. A. *See* Reid, M. B., Stokić, D. S., Koch, S. M., Khawli, F. A., and Leis, A. A.

Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F. De novo generation of permanent neovascularized soft tissue appendages by platelet-derived growth factor. 1757.

Kido, N. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.

Killinger, D. W. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.

Kimani, J. *See* Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F.

Kimble, R. B. *See* Kitazawa, R., Kimble, R. B., Vannice, J. L., Kung, V. T., and Pacifici, R.

Kimura, F. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.

Kimura, G. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.

Kindon, H. *See* Dignass, A., Lynch-Devaney, K., Kindon, H., Thim, L., and Podolsky, D. K.

Kingsmore, S. F. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.

Kino, T. *See* Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S.

Kipps, T. J. X inactivation and immunocompetence in female carriers of the X-linked hyper-IgM syndrome. 469.

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Kishimoto, I. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.

Kitajima, W. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.

Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T. Evidence for deactivation of both ectosolic and cytosolic 5′-nucleotidase by adenosine A_1 receptor activation in the rat cardiomyocytes. 2451.

Kitamura, K., and Miller, R. T. Regulation of hormone-sensitive calcium influx by the adenylyl cyclase system in renal epithelial cells. 328.

— *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.

Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G. Gene transfer into the rat renal glomerulus via a mesangial cell vector: site-specific delivery, in situ amplification, and sustained expression of an exogenous gene in vivo. 497.

Kitazawa, R., Kimble, R. B., Vannice, J. L., Kung, V. T., and Pacifici, R. Interleukin-1 receptor antagonist and tumor necrosis factor binding protein decrease osteoclast formation and bone resorption in ovariectomized mice. 2397.

Klein, J. T. *See* Forman, J. D., Klein, J. T., Silver, R. F., Liu, M. C., Greenlee, B. M., and Moller, D. R.

Klein, K. O., Baron, J., Colli, M. J., McDonnell, D. P., and Cutler,

G. B., Jr. Estrogen levels in childhood determined by an ultrasensitive recombinant cell bioassay. 2475.
Kloner, R. *See* Gottlieb, R. A., Burleson, K. O., Kloner, R., Babior, B. M., and Engler, R. L.
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Kobayashi, J. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.
Kobayashi, S.-I. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Kobzik, L. *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.
Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M. Epithelial neutrophil activating peptide-78: a novel chemotactic cytokine for neutrophils in arthritis. 1012.
Koch, S. M. *See* Reid, M. B., Stokić, D. S., Koch, S. M., Khawli, F. A., and Leis, A. A.
Koenig, J. *See* Deisseroth, A. B., and Koenig, J.
Koga, Y. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.
Koike, K., Moriya, K., Yotsuyanagi, H., Iino, S., and Kurokawa, K. Induction of cell cycle progression by hepatitis B virus HBx gene expression in quiescent mouse fibroblasts. 44.
Koizumi, J. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.
Koizumi, T., Gupta, R., Banerjee, M., and Newman, J. H. Changes in pulmonary vascular tone during exercise. Effects of nitric oxide (NO) synthase inhibition, L-arginine infusion, and NO inhalation. 2275.
Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T. Production and characterization of transformed B-lymphocytes expressing the membrane defect of Scott syndrome. 2237.
Komamura, K. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
Komatsu, Y. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.
Kondo, S. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Konishi, K. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.
Kootstra, N. A. *See* Fouchier, R. A. M., Brouwer, M., Kootstra, N. A., Huisman, H. G., and Schuitemaker, H.
— *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.
Koshio, T. *See* Yanagihara, Y., Kajiwara, K., Ikizawa, K., Koshio, T., Okumura, K., and Ra, C.
Kostner, G. M. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.
Kouyoumdjian, C., Adnot, S., Levame, M., Eddahibi, S., Bousbaa, H., and Raffestin, B. Continuous inhalation of nitric oxide protects against development of pulmonary hypertension in chronically hypoxic rats. 578.
Krähenbühl, S. *See* Friolet, R., Hoppeler, H., and Krähenbühl, S.
Kramers, C., Hylkema, M. N., Van Bruggen, M. C. J., Van de Lagemaat, R., Dijkman, H. B. P. M., Assmann, K. J. M., Smeenk, R. J. T., and Berden, J. H. M. Anti-nucleosome antibodies complexed to nucleosomal antigens show anti-DNA reactivity and bind to rat glomerular basement membrane in vivo. 568.
Krammer, P. H. *See* Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A.
Krantz, S. B. *See* Muta, K., Krantz, S. B., Bondurant, M. C., and Wickrema, A.
Kregenow, D. A. *See* Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M.
Kretzler, M. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.
Kreutz, R. *See* Satoh, S., Kreutz, R., Wilm, C., Ganten, D., and Pfitzer, G.
Kristal, B. *See* Drumond, M. C., Kristal, B., Myers, B. D., and Deen, W. M.
Kristofersson, U. *See* Ståhl-Hallengren, C., Ukkonen, T., Kainulainen, K., Kristofersson, U., Saxne, T., Tornqvist, K., and Peltonen, L.
Ktorza, A. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.
Ku, S. *See* Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R.
Kuczynski, W. I. *See* Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M.
Kuhn, C. M. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.
Kung, H.-f. *See* Schwabe, M., Brini, A. T., Bosco, M. C., Rubboli, F., Egawa, M., Zhao, J., Princler, G. L., and Kung, H.-f.
Kung, V. T. *See* Kitazawa, R., Kimble, R. B., Vannice, J. L., Kung, V. T., and Pacifici, R.
Kunitake, S. T. *See* Hardardóttir, I., Kunitake, S. T., Moser, A. H., Doerrier, W. T., Rapp, J. H., Grünfeld, C., and Feingold, K. R.
Kunkel, S. L. *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.
Kupperman, D. E. *See* Wiezorek, J. S., Brown, D. H., Kupperman, D. E., and Brass, C. A.
Kurihara, T. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
Kurokawa, K. *See* Koike, K., Moriya, K., Yotsuyanagi, H., Iino, S., and Kurokawa, K.
Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N. *Clostridium difficile* toxin A-induced microvascular dysfunction. Role of histamine. 1919.
Kuroski de Bold, M. L. *See* Yokota, N., Bruneau, B. G., Kuroski de Bold, M. L., and de Bold, A.
Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I. Mechanism of apical and basolateral Na^+-independent Cl^-/base exchange in the rabbit superficial proximal straight tubule. 173.
Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P. Altered activity of the system A amino acid transporter in microvillous membrane vesicles from placentas of macrosomic babies born to diabetic women. 689.
Kurzrock, R. *See* Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R.
Kusano, K. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.
Kuusisto, J. *See* Laakso, M., Maikki, M., Kekäläinen, P., Kuusisto, J., and Deeb, S. S.
Kuzuya, T. *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.
Kvietys, P. R. *See* Osborne, D. L., Aw, T. Y., Cepinskas, G., and Kvietys, P. R.
Kvittingen, E. A., Rootwelt, H., Berger, R., and Brandtzaeg, P. Self-induced correction of the genetic defect in tyrosinemia type I. 1657.

L

Laakso, M., Maikki, M., Kekäläinen, P., Kuusisto, J., and Deeb, S. S. Insulin receptor substrate-1 variants in non-insulin-dependent diabetes. 1141.
Lacokova, M. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.
Lakatta, E. G. *See* Xiao, R.-P., Spurgeon, H. A., O'Connor, F., and Lakatta, E. G.
Laks, H. *See* Fyfe, A. I., Stevenson, L. W., Harper, C. M., Drinkwater, D. C., Laks, H., Fogelman, A. M., and Berliner, J. A.

Lam, C., Tyml, K., Martin, C., and Sibbald, W. Microvascular perfusion is impaired in a rat model of normotensive sepsis. 2077.
Lambert, D. T. *See* Bastedo, L. B., Sands, M. S., Lambert, D. T., Pisa, M. A., Birkenmeier, E., and Chang, P. L.
Lambrecht, R. W. *See* Cable, E. E., Pepe, J. A., Karamitsios, N. C., Lambrecht, R. W., and Bonkovsky, H. L.
LaMont, J. T. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Lande, M. B. *See* Agre, P., Smith, B. L., Baumgarten, R., Preston, G. M., Pressman, E., Wilson, P., Illum, N., Anstee, D. J., Lande, M. B., and Zeidel, M. L.
Langdon, J. J. *See* Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H.
Laragh, J. H. *See* Resnick, L. M., Gupta, R. K., DiFabio, B., Barbagallo, M., Mann, S., Marion, R., and Laragh, J. H.
Larché, M. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.
Lark, M. W. *See* Galis, Z. S., Sukhova, G. K., Lark, M. W., and Libby, P.
Lattimer, S. A. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.
Lau, K. S. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
Laury, M.-C. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.
Lawson, J. L. *See* Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B.
Lawton, A. R., III. *See* Conley, M. E., Larché, M., Bonagura, V. R., Lawton, A. R., III, Buckley, R. H., Fu, S. M., Coustan-Smith, E., Herrod, H. G., and Campana, D.
Le, D. Q. *See* Brady, L. S., Lynn, A. B., Glowa, J. R., Le, D. Q., and Herkenham, M.
Lea, J. P. *See* Isozaki, T., Lea, J. P., Tumlin, J. A., and Sands, J. M.
Leahy, J. L. *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.
— *See* Chen, C., Hosokawa, H., Bumbalo, L. M., and Leahy, J. L.
Ledbetter, J. *See* Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J.
Ledbetter, J. A. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.
Ledda, F. *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.
Ledley, F. D. *See* Abramowicz, M. J., Andrien, M., Dupont, E., Dorchy, H., Parma, J., Duprez, L., Ledley, F. D., Courtens, W., and Vamos, E.
Lee, G. *See* Chen, C.-H., Astrin, K. H., Lee, G., Anderson, K. E., and Desnick, R. J.
Lee, I. *See* Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I.
Lee, W. *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.
Lee-Parritz, D. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.
Lefkowith, J. B. *See* Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., and Lefkowith, J. B.
— *See* Wu, X., Helfrich, M. H., Horton, M. A., Feigen, L. P., and Lefkowith, J. B.
Lefrançois, P. *See* Lorenzo, F., Dalla Venezia, N., Morié, L., Baklouti, F., Alloisio, N., Ducluzeau, M.-T., Roda, L., Lefrançois, P., and Delaunay, J.
Lehrer, R. I. *See* Levy, O., Ooi, C. E., Weiss, J., Lehrer, R. I., and Elsbach, P.
Leis, A. A. *See* Reid, M. B., Stokić, D. S., Koch, S. M., Khawli, F. A., and Leis, A. A.
Lesslauer, W. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
Letvin, N. L. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.
Leung, D. Y. M. *See* Hamid, Q., Boguniewicz, M., and Leung, D. Y. M.
Leutz, A. *See* Pope, R. M., Leutz, A., and Ness, S. A.
Levame, M. *See* Kouyoumdjian, C., Adnot, S., Levame, M., Eddahibi, S., Bousbaa, H., and Raffestin, B.
Levasseur, P. *See* Guyon, T., Levasseur, P., Truffault, F., Cottin, C., Gaud, C., and Berrih-Aknin, S.
Leveteau, J. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.
Levine, M. A. *See* Wand, G. S., Waltman, C., Martin, C. S., McCaul, M. E., Levine, M. A., and Wolfgang, D.
Levy, O., Ooi, C. E., Weiss, J., Lehrer, R. I., and Elsbach, P. Individual and synergistic effects of rabbit granulocyte proteins on *Escherichia coli*. 672.
Lew, D. B., Songu-Mize, E., Pontow, S. E., Stahl, P. D., and Rattazzi, M. C. A mannose receptor mediates mannosyl-rich glycoprotein-induced mitogenesis in bovine airway smooth muscle cells. 1855.
Li, K., Nagalla, S. R., and Spindel, E. R. A rhesus monkey model to characterize the role of gastrin-releasing peptide (GRP) in lung development. Evidence for stimulation of airway growth. 1605.
Li, L. *See* Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I.
Li, Y., Sun, G.-R., Tumang, J. R., Crow, M. K., and Friedman, S. M. CDR3 sequence motifs shared by oligoclonal rheumatoid arthritis synovial T cells. Evidence for an antigen-driven response. 2525.
Liang, P. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.
Liao, F., Andalibi, A., Qiao, J.-H., Allayee, H., Fogelman, A. M., and Lusis, A. J. Genetic evidence for a common pathway mediating oxidative stress, inflammatory gene induction, and aortic fatty streak formation in mice. 877.
Libby, P. *See* Galis, Z. S., Sukhova, G. K., Lark, M. W., and Libby, P.
Lieberman, M. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.
Lien, E. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
Liu, J. M. *See* Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M.
Liu, M. C. *See* Forman, J. D., Klein, J. T., Silver, R. F., Liu, M. C., Greenlee, B. M., and Moller, D. R.
Lloyd, A. R. *See* Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J.
Lobb, R. R., and Hemler, M. E. The pathophysiologic role of $\alpha 4$ integrins in vivo. 1722.
Loetscher, H. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.
Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J. Cystic fibrosis transmembrane conductance regulator mutations that disrupt nucleotide binding. 228.
Lombardi, D. *See* Baker, A. J., Mooney, A., Hughes, J., Lombardi, D., Johnson, R. J., and Savill, J.
Londei, M. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.
Long, C. A. *See* Pouvelle, B., Farley, P. J., Long, C. A., and Taraschi, T. F.
Longo, D. L. *See* Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J.
Lorenzo, F., Dalla Venezia, N., Morié, L., Baklouti, F., Alloisio, N., Ducluzeau, M.-T., Roda, L., Lefrançois, P., and Delaunay, J. Protein 4.1 deficiency associated with an altered binding to the spectrin–actin complex of the red cell membrane skeleton. 1651.
Loscalzo, J. *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.
— *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.
Loskutoff, D. J. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.
Lu, Y.-Y. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.

Lu, Z.-h. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.
Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R. Increased levels of circulating islet amyloid polypeptide in patients with chronic renal failure have no effect on insulin secretion. 2045.
Luft, B. J. *See* Schutzer, S. E., Coyle, P. K., Dunn, J. J., Luft, B. J., and Brunner, M.
Lumbroso, R. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.
Lusis, A. J. *See* Fyfe, A. I., Qiao, J.-H., and Lusis, A. J.
— *See* Liao, F., Andalibi, A., Qiao, J.-H., Allayee, H., Fogelman, A. M., and Lusis, A. J.
— *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.
Luther, T. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.
Lynch-Devaney, K. *See* Dignass, A., Lynch-Devaney, K., Kindon, H., Thim, L., and Podolsky, D. K.
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Lyonnet, S. *See* Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T.

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Maalouf, G. J. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.
Mabuchi, H. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.
MacDonald, P. C. *See* Casey, M. L., MacDonald, P. C., and Andersson, S.
Machinami, R. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Mackenzie, H. S., Tullius, S. G., Heemann, U. W., Azuma, H., Rennke, H. G., Brenner, B. M., and Tilney, N. L. Nephron supply is a major determinant of long-term renal allograft outcome in rats. 2148.
Maclaren, N. K. *See* Atkinson, M. A., Bowman, M. A., Campbell, L., Darrow, B. L., Kaufman, D. L., and Maclaren, N. K.
Maclean, I. *See* Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F.
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Madison, E. L. Studies of serpins unfold at a feverish pace. 2174.
Madoff, L. C, Paoletti, L. C., Tai, J. Y., and Kasper, D. L. Maternal immunization of mice with group B streptococcal type III polysaccharide-beta C protein conjugate elicits protective antibody to multiple serotypes. 286.
Maeda, N. *See* Pászty, C., Maeda, N., Verstuyft, J., and Rubin, E. M.
— *See* Zhang, S. H., Reddick, R. L., Burkey, B., and Maeda, N.
Magenis, R. E. *See* Segal, G. M., Magenis, R. E., Brown, M., Keeble, W., Smith, T. D., Heinrich, M. C., and Babgy, G. C., Jr.
Maggi, C. A. *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.
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Magnuson, M. A. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Magnusson, I. *See* Cline, G. W., Rothman, D. L., Magnusson, I., Katz, L. D., and Shulman, G. I.
Mahendran, D. *See* Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P.
Mahley, R. W. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Mahmoud, H. *See* Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E.
Maikki, M. *See* Laakso, M., Maikki, M., Kekäläinen, P., Kuusisto, J., and Deeb, S. S.
Main, R. N. *See* Cope, A. P., Londei, M., Chu, N. R., Cohen, S. B. A., Elliott, M. J., Brennan, F. M., Main, R. N., and Feldmann, M.
Maitha, G. *See* Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F.
Mäki, T. M. *See* Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S.
Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H. Experimental and/or genetically controlled alterations of the renal microsomal cytochrome P450 epoxygenase induce hypertension in rats fed a high salt diet. 2414.
Malemud, C. J. *See* Kammer, G. M., Khan, I. U., and Malemud, C. J.
Mandel, J.-L. *See* Fanen, P., Guidoux, S., Sarde, C.-O., Mandel, J.-L., Goossens, M., and Aubourg, P.
Manheimer-Lory, A. *See* Irigoyen, M., Manheimer-Lory, A., Gaynor, B., and Diamond, B.
Mann, A. S. *See* Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J.
Mann, S. *See* Resnick, L. M., Gupta, R. K., DiFabio, B., Barbagallo, M., Mann, S., Marion, R., and Laragh, J. H.
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Manning, W. J. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.
Manuel, R. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.
Manzi, A. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Manzini, S. *See* Coyle, A. J., Perretti, F., Manzini, S., and Irvin, C. G.
Mao, H. Z. *See* Hajduczok, G., Chapleau, M. W., Ferlic, R. J., Mao, H. Z., and Abboud, F. M.
Marais, A. D. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.
Marazuela, M. *See* Postigo, A. A., Marazuela, M., Sánchez-Madrid, F., and de Landázuri, M. O.
Marboe, C. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.
Marcelli, M., Zoppi, S., Wilson, C. M., Griffin, J. E., and McPhaul, M. J. Amino acid substitutions in the hormone-binding domain of the human androgen receptor alter the stability of the hormone receptor complex. 1642.
Maresh, M. J. *See* Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P.
Margraf, L. R. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
Marion, R. *See* Resnick, L. M., Gupta, R. K., DiFabio, B., Barbagallo, M., Mann, S., Marion, R., and Laragh, J. H.
Markham, P. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.
Marsh, J. D. *See* Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S.
Martin, A. W. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.
Martin, C. *See* Lam, C., Tyml, K., Martin, C., and Sibbald, W.
Martin, C. S. *See* Wand, G. S., Waltman, C., Martin, C. S., McCaul, M. E., Levine, M. A., and Wolfgang, D.
Martin, R. *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.
Martinez-Valdez, H. *See* Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J.
Marumo, F. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.
Maruyama, M., Hay, J. G., Yoshimura, K., Chu, C.-S., and Crystal,

R. G. Modulation of secretory leukoprotease inhibitor gene expression in human bronchial epithelial cells by phorbol ester. 368.
Masaki, H. *See* Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M.
Masini, E., Bani, D., Bigazzi, M., Mannaioni, P. F., and Bani-Sacchi, T. Effects of relaxin on mast cells. In vitro and in vivo studies in rats and guinea pigs. 1974.
— *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.
Massacesi, L. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.
Masters, S. R. *See* Foy, T. M., Masters, S. R., and Noelle, R. J.
Masuda, H., Fukumoto, M., Hirayoshi, K., and Nagata, K. Coexpression of the collagen-binding stress protein HSP47 gene and the α1(I) and α1(III) collagen genes in carbon tetrachloride-induced rat liver fibrosis. 2481.
Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T. Estrogen deficiency stimulates B lymphopoiesis in mouse bone marrow. 1090.
Matalon, S. *See* Haddad, I. Y., Pataki, G., Hu, P., Galliani, C., Beckman, J. S., and Matalon, S.
Matoba, Y. *See* Matsui, S., Matsumori, A., Matoba, Y., Uchida, A., and Sasayama, S.
Matrisian, L. M. *See* Rodgers, W. H., Matrisian, L. M., Giudice, L. C., Dsupin, B., Cannon, P., Svitek, C., and Gorstein, F.
Matsubara, H. *See* Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M.
Matsui, S., Matsumori, A., Matoba, Y., Uchida, A., and Sasayama, S. Treatment of virus-induced myocardial injury with a novel immunomodulating agent, vesnarinone. Suppression of natural killer cell activity and tumor necrosis factor-α production. 1212.
Matsumori, A. *See* Matsui, S., Matsumori, A., Matoba, Y., Uchida, A., and Sasayama, S.
Matsumura, K. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Matsuo, H. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.
Matsuo, M. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.
Matsuoka, H. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.
Matthay, M. A. *See* Pittet, J. F., Wiener-Kronish, J. P., McElroy, M. C., Folkesson, H. G., and Matthay, M. A.
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McCarthy, J. B. *See* Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B.
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McClain, C. J. *See* Shedlofsky, S. I., Israel, B. C., McClain, C. J., Hill, D. B., and Blouin, R. A.
McDonnell, D. P. *See* Klein, K. O., Baron, J., Colli, M. J., McDonnell, D. P., and Cutler, G. B., Jr.
McElroy, M. C. *See* Pittet, J. F., Wiener-Kronish, J. P., McElroy, M. C., Folkesson, H. G., and Matthay, M. A.
McFarland, H. F. Significance of autoreactive T cells in diseases such as multiple sclerosis using an innovative primate model. 921.
— *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.
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— *See* Whatley, R. E., Satoh, K., Zimmerman, G. A., McIntyre, T. M., and Prescott, S. M.
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Medlock, E. S. *See* Simonet, W. S., Hughes, T. M., Nguyen, H. Q., Trebasky, L. D., Danilenko, D. M., and Medlock, E. S.
Menaa, C. *See* Condamine, L., Vztovsnik, F., Friedlander, G., Menaa, C., and Garabédian, M.
Mendez, A. J., Anantharamaiah, G. M., Segrest, J. P., and Oram, J. F. Synthetic amphipathic helical peptides that mimic apolipoprotein A-I in clearing cellular cholesterol. 1698.
Mengel, A. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.
Merino, R., Iwamoto, M., Gershwin, M. E., and Izui, S. The *Yaa* gene abrogates the major histocompatibility complex association of murine lupus in (NZB $\times$ BXSB)F_1 hybrid mice. 521.
Meyaard, L., Otto, S. A., Hooibrink, B., and Miedema, F. Quantitative analysis of CD4+ T cell function in the course of human immunodeficiency virus infection. Gradual decline of both naive and memory alloreactive T cells. 1947.
Meyers, C. M., and Kelly, C. J. Inhibition of murine nephritogenic effector T cells by a clone-specific suppressor factor. 2093.
Michalak, T. I., Pasquinelli, C., Guilhot, S., and Chisari, F. V. Correction. 907.
Michel, J. B., Ordway, G. A., Richardson, J. A., and Williams, R. S. Biphasic induction of immediate early gene expression accompanies activity-dependent angiogenesis and myofiber remodeling of rabbit skeletal muscle. 277.
Michel, T. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
Michler, R. E. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.
Miedema, F. *See* Meyaard, L., Otto, S. A., Hooibrink, B., and Miedema, F.
— *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.
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Minamino, T. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
Mintenig, G. M. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.
Miyasaka, M. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Miyaura, C. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.
Mizuno, S. *See* Goldring, M. B., Birkhead, J. R., Suen, L.-F., Yamin, R., Mizuno, S., Glowacki, J., Arbiser, J. L., and Apperley, J. F.

Modlin, R. L. *See* Zhang, M., Gong, J., Iyer, D. V., Jones, B. E., Modlin, R. L., and Barnes, P. F.
Modur, V. *See* Patel, K. D., Modur, V., Zimmerman, G. A., Prescott, S. M., and McIntyre, T. M.
Moe, O. W. *See* Yamaji, Y., Moe, O. W., Miller, R. Y., and Alpern, R. J.
Mohamadzadeh, M. *See* Müller, G., Saloga, J., Germann, T., Bellinghausen, I., Mohamadzadeh, M., Knop, J., and Enk, A. H.
Molero, M. L. *See* Heynen, H. F. G., Molero, M. L., de Groot, P. G., Nieuwenhuls, H. K., and Sixma, J. J.
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Monkawa, T. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.
Montag, A. *See* Bullough, D. A., Zhang, C., Montag, A., Mullane, K. M., and Young, M. A.
Mooney, A. *See* Baker, A. J., Mooney, A., Hughes, J., Lombardi, D., Johnson, R. J., and Savill, J.
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Morbidelli, L. *See* Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F.
Morel, E. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.
Mori, M. *See* Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H.
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Morimoto, C. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.
Morin, F. C., III. *See* Steinhorn, R. H., Morin, F. C., III, and Russell, J. A.
Morioka, T. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.
Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J. Evidence for direct local effect of angiotensin in vascular hypertrophy. 978.
Morishita, R., Gibbons, G. H., Pratt, R. E., Tomita, N., Kaneda, Y., Ogihara, T., Dzau, V. J. Autocrine and paracrine effects of atrial natriuretic peptide gene transfer on vascular smooth muscle and endothelial cellular growth. 824.
Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C. Coexpression of glucose transporters and glucokinase in *Xenopus* oocytes indicates that both glucose transport and phosphorylation determine glucose utilization. 1373.
Moriya, K. *See* Koike, K., Moriya, K., Yotsuyanagi, H., Iino, S., and Kurokawa, K.
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Morris, B. J., Zee, R. Y. L., and Schrader, A. P. Different frequencies of angiotensin-converting enzyme genotypes in older hypertensive individuals. 1085.
Morris, C. F. *See* Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F.
Morrone, S. *See* Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G.
Moscarello, M. A., Wood, D. D., Ackerley, C., and Boulias, C. Myelin in multiple sclerosis is developmentally immature. 146.
Moseley, M. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.
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Mosher, D. F. *See* Watson, J. B., Getzler, S. B., and Mosher, D. F.
Motoyoshi, K. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Mott, D. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.
Muccio, D. D. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.
Mulder-Kampinga, G. A. *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.
Mullane, K. M. *See* Bullough, D. A., Zhang, C., Montag, A., Mullane, K. M., and Young, M. A.
Müller, B. *See* Studer, R., Reinecke, H., Müller, B., Holtz, J., Just, H., and Drexler, H.
Müller, G., Saloga, J., Germann, T., Bellinghausen, I., Mohamadzadeh, M., Knop, J., and Enk, A. H. Identification and induction of human keratinocyte-derived IL-12. 1799.
Müller, M. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.
Munn, S. *See* Pørksen, N., Munn, S., Ferguson, D., O'Brien, T., Veldhuis, J., and Butler, P.
Munnich, A. *See* Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T.
Murakami, K. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Murasawa, S. *See* Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M.
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Murphy, W. J. *See* Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J.
Murray, C. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.
Murray, D. *See* Hotamisligil, G. S., Budavari, A., Murray, D., and Spiegelman, B. M.
Muta, K., Krantz, S. B., Bondurant, M. C., and Wickrema, A. Distinct roles of erythropoietin, insulin-like growth factor I, and stem cell factor in the development of erythroid progenitor cells. 34.
Muto, S., and Asano, Y. Electrical properties of the rabbit cortical collecting duct from obstructed kidneys after unilateral ureteral obstruction. 1846.
Muzyczka, N. Adeno-associated virus (AAV) Vectors: will they work?. 1351.
Myers, B. D. *See* Drumond, M. C., Kristal, B., Myers, B. D., and Deen, W. M.

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Nagalla, S. R. *See* Li, K., Nagalla, S. R., and Spindel, E. R.
Nagami, G. *See* Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I.
Nagata, K. *See* Masuda, H., Fukumoto, M., Hirayoshi, K., and Nagata, K.
Nagata, N. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Nagel, T., Resnick, N., Atkinson, W. J., Dewey, C. F., Jr., and Gimbrone, M. A., Jr. Shear stress selectively upregulates intercellular adhesion molecule-1 expression in cultured human vascular endothelial cells. 885.
Nakagawa, M. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Nakagawa, O. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.
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Narita, N. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.

Narumiya, S. *See* Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M, and Narumiya, S.

Nasir, A., Ferbel, B., Salminen, W., Barth, R. K., and Gaspari, A. A. Exaggerated and persistent cutaneous delayed-type hypersensitivity in transgenic mice whose epidermal keratinocytes constitutively express B7-1 antigen. 892.

Nast, C. C. *See* Ferretti, M., Casini-Raggi, V., Pizarro, T. T., Eisenberg, S. P., Nast, C. C., and Cominelli, F.

Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E. Insulin resistance and vasodilation in essential hypertension. Studies with adenosine. 1570.

Natali, P. G. *See* Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G.

Nawroth, P. P. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.

Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D. Proteinuria in passive Heymann nephritis is associated with lipid peroxidation and formation of adducts on type IV collagen. 1577.

Néant, F., Imbert-Teboul, M., and Bailly, C. Cyclic guanosine monophosphate is the mediator of platelet-activating factor inhibition on transport by the mouse kidney thick ascending limb. 1156.

Neilson, E. G. *See* Heeger, P. S., Smoyer, W. E., Saad, T., Albert, S., Kelly, C. J., and Neilson, E. G.

Nemeroff, C. B. *See* Slotkin, T. A., Nemeroff, C. B., Bissette, G., and Seidler, F. J.

Nesheim, M. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.

Ness, S. A. *See* Pope, R. M., Leutz, A., and Ness, S. A.

Nestle, F. O., Turka, L. A., and Nickoloff, B. J. Characterization of dermal dendritic cells in psoriasis. Autostimulation of T lymphocytes and inducton of Th1 type cytokines. 202.

Nestler, J. E., and Kahwash, Z. Sex-specific action of insulin to acutely increase the metabolic clearance rate of dehydroepiandrosterone in humans. 1484.

Newburger, P. E., Skalnik, D. G., Hopkins, P. J., Eklund, E. A., and Cumutte, J. T. Mutations in the promoter region of the gene for gp91-*phox* in X-linked chronic granulomatous disease with decreased expression of cytochrome b_{558}. 1205.

Newman, J. H. *See* Koizumi, T., Gupta, R., Banerjee, M., and Newman, J. H.

Newman, P. M., To, S. S. T., Robinson, B. G., Hyland, V. J., and Schrieber, L. Effect of gold sodium thiomalate and its thiomalate component on the in vitro expression of endothelial cell adhesion molecules. 1864.

Newton-Nash, D. *See* Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T.

Nguyen, H. Q. *See* Simonet, W. S., Hughes, T. M., Nguyen, H. Q., Trebasky, L. D., Danilenko, D. M., and Medlock, E. S.

N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A. Involvement of the autonomic nervous system in the in vivo memory to glucose of pancreatic β cell in rats. 1456.

Nguyen, M-H. *See* Genain, C. P., Lee-Parritz, D., Nguyen, M-H., Massacesi, L., Joshi, N., Ferrante, R., Hoffman, K., Moseley, M., Letvin, N. L., and Hauser, S. L.

Nickoloff, B. J. *See* Nestle, F. O., Turka, L. A., and Nickoloff, B. J.

Nicod, P. *See* Scherrer, U., Randin, D., Vollenweider, P., Vollenweider, L., and Nicod, P.

Nienhuis, A. W. *See* Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M.

Nieuwenhuls, H. K. *See* Heynen, H. F. G., Molero, M. L., de Groot, P. G., Nieuwenhuls, H. K., and Sixma, J. J.

Nio, Y. *See* Kanasaki, M., Matsubara, H., Murasawa, S., Masaki, H., Nio, Y., and Inada, M.

Nishida, M. *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.

Nishikawa, T. *See* Amagai, M., Hashimoto, T., Shimizu, N., and Nishikawa, T.

Nishikimi, T. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.

Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M. Identification of a novel first exon in the human dystrophin gene and of a new promoter located more than 500 kb upstream of the nearest known promoter. 1037.

Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G. Generation and characterization of two human α/β T cell clones. Recognizing autologous breast tumor cells through an HLA- and TCR/CD3-independent pathway. 1426.

Niswender, K. D. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.

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Node, K. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.

Noelle, R. J. *See* Durie, F. H., Aruffo, A., Ledbetter, J., Crassi, K. M., Green, W. R., Fast, L. D., and Noelle, R. J.

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— *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.

Nojima, Y. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.

Nomoto, K. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.

Nonoyama, S. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.

North, A. J. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.

Nozawa, S. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.

Nunge, M. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.

Nussdorfer, G. G. *See* Rossi, G., Albertin, G., Belloni, A., Zanin, L., Biasolo, M. A., Prayer-Galetti, T., Bader, M., Nussdorfer, G. G., Palù, G., and Pessina, A. C.

Nussenblatt, R. B. *See* Rizzo, L. V., Miller-Rivero, N. E., Chan, C.-C., Wiggert, B., Nussenblatt, R. B., and Caspi, R. R.

Nycum, L. *See* Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A.

O

O'Brien, T. *See* Pørksen, N., Munn, S., Ferguson, D., O'Brien, T., Veldhuis, J., and Butler, P.

Ochs, H. D. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.

O'Connor, D. T. *See* Rozansky, D. J., Wu, H., Tang, K., Parmer, R. J., and O'Connor, D. T.

— *See* Wu, H., Rozansky, D. J., Webster, N. J. G., and O'Connor, D. T.

O'Connor, F. *See* Xiao, R.-P., Spurgeon, H. A., O'Connor, F., and Lakatta, E. G.

Ogasawara, T. *See* Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H.

Ogawa, Y. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.

Ogihara, T. *See* Morishita, R., Gibbons, G. H., Pratt, R. E., Tomita, N., Kaneda, Y., Ogihara, T., and Dzau, V. J.

— *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.

Ohara, N. *See* Chang, S.-W., and Ohara, N.

Ohashi, Y. *See* Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A.
Ohta, H. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.
Ohta, N. *See* Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H.
Ohtsuki, T. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Ojha, P. P. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.
Oka, T. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Okada, N., Pentland, A. P., Falk, P., and Caparon, M. G. M protein and protein F act as important determinants of cell-specific tropism of *Streptococcus pyogenes* in skin tissue. 965.
Okazaki, M., Hu, Z.-W., Fujinaga, M., and Hoffman, B. B. Alpha$_1$ adrenergic receptor–induced c-*fos* gene expression in rat aorta and cultured vascular smooth muscle cells. 210.
Okubo, R. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Okuda, M. *See* Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A.
Okuma, M. *See* Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M, and Narumiya, S.
Okumura, K. *See* Yanagihara, Y., Kajiwara, K., Ikizawa, K., Koshio, T., Okumura, K., and Ra, C.
Omae, T. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.
O'Neil, J. *See* Hoppe, G., O'Neil, J., and Hoff, H. F.
O'Neill, R. *See* Ramm, G. A., Britton, R. S., O'Neill, R., and Bacon, B. R.
Onodera, K. *See* Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M.
Onoe, Y. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.
Ooi, C. E. *See* Levy, O., Ooi, C. E., Weiss, J., Lehrer, R. I., and Elsbach, P.
Oosterhof, A. *See* Benders, A. A. G. M., Veerkamp, J. H., Oosterhof, A., Jongen, P. J. H., Bindels, R. J. M., Smit, L. M. E., Busch, H. F. M., and Wevers, R. A.
Opara, E. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.
Oram, J. F. *See* Mendez, A. J., Anantharamaiah, G. M., Segrest, J. P., and Oram, J. F.
Ordway, G. A. *See* Michel, J. B., Ordway, G. A., Richardson, J. A., and Williams, R. S.
Ortega-Barria, E., Ward, H. D., Keusch, G. T., and Pereira, M. E. A. Growth inhibition of the intestinal parasite *Giardia lamblia* by a dietary lectin is associated with arrest of the cell cycle. 2283.
Ortmeyer, H. K. *See* Huang, Z., Bodkin, N. L., Ortmeyer, H. K., Hansen, B. C., and Shuldiner, A. R.
Osame, M. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Osborne, D. L., Aw, T. Y., Cepinskas, G., and Kvietys, P. R. Development of ischemia/reperfusion tolerance in the rat small intestine. An epithelium-independent event. 1910.
Otto, S. A. *See* Meyaard, L., Otto, S. A., Hooibrink, B., and Miedema, F.
Oude Elferink, R. P. J. *See* Seppen, J., Bosma, P. J., Goldhoom, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J.

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Pacifici, R. *See* Kitazawa, R., Kimble, R. B., Vannice, J. L., Kung, V. T., and Pacifici, R.
Pacini, G. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.
Padfield, P. L. *See* Haynes, W. G., Hand, M. F., Johnstone, H., Padfield, P. L., and Webb, D. J.
Paindaveine, B. *See* Gressens, P., Hill, J. M., Paindaveine, B., Gozes, I., Fridkin, M., and Brenneman, D. E.
Palek, J. *See* Corbett, J. D., Agre, P., Palek, J., and Golan, D. E.
— *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.
Palombo, C. *See* Natali, A., Bonadonna, R., Santoro, D., Galvan, A. Q., Baldi, S., Frascerra, S., Palombo, C., Ghione, S., and Ferrannini, E.
Palù, G. *See* Rossi, G., Albertin, G., Belloni, A., Zanin, L., Biasolo, M. A., Prayer-Galetti, T., Bader, M., Nussdorfer, G. G., Palù, G., and Pessina, A. C.
Paneerselvam, K. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Pannarale, G. *See* Gesualdo, L., Di Paolo, S., Milani, S., Pinzani, M., Grappone, C., Ranieri, E., Pannarale, G., and Schena, F. P.
Paoletti, L. C. *See* Madoff, L. C, Paoletti, L. C., Tai, J. Y., and Kasper, D. L.
Parks, W. C. *See* Saarialho-Kere, U. K., Pentland, A. P., Birkedal-Hansen, H., Parks, W. C., and Welgus, H. G.
Parma, J. *See* Abramowicz, M. J., Andrien, M., Dupont, E., Dorchy, H., Parma, J., Duprez, L., Ledley, F. D., Courtens, W., and Vamos, E.
Parmer, R. J. *See* Rozansky, D. J., Wu, H., Tang, K., Parmer, R. J., and O'Connor, D. T.
Parsonnet, J. *See* Blaser, M. J., and Parsonnet, J.
Parthasarathy, S., Morales, A. J., and Murphy, A. A. Antioxidant: A new role for RU-486 and related compounds. 1990.
Pascual, V., Randen, I., Thompson, K., Sioud, M., Forre, O., Natvig, J., and Capra, D. Correction. 467.
Passman, R. S., and Fishman, G. I. Regulated expression of foreign genes in vivo after germline transfer. 2421.
Pászty, C., Maeda, N., Verstuyft, J., and Rubin, E. M. Apolipoprotein AI transgene corrects apolipoprotein E deficiency–induced atherosclerosis in mice. 899.
Pataki, G. *See* Haddad, I. Y., Pataki, G., Hu, P., Galliani, C., Beckman, J. S., and Matalon, S.
Patel, K. D., Modur, V., Zimmerman, G. A., Prescott, S. M., and McIntyre, T. M. The necrotic venom of the brown recluse spider induces dysregulated endothelial cell–dependent neutrophil activation. Differential induction of GM-CSF, IL-8, and E-selectin expression. 631.
Patel, T., Bronk, S. F., and Gores, G. J. Increases of intracellular magnesium promote glycodeoxycholate-induced apoptosis in rat hepatocytes. 2183.
Paulson, J. C. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Payne, D. W. *See* Ben-Shlomo, I., Adashi, E. Y., and Payne, D. W.
Peacock, M. *See* Hustmyer, F. G., Peacock, M., Hui, S., Johnston, C. C., and Christian, J.
Peebles, C. *See* Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr.
Peiper, S. C. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.
Peleg, H. *See* Agmon, Y., Peleg, H., Greenfeld, Z., Rosen, S., and Brezis, M.
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Pénicaud, L. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.
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— *See* Saarialho-Kere, U. K., Pentland, A. P., Birkedal-Hansen, H., Parks, W. C., and Welgus, H. G.
Pepe, J. A. *See* Cable, E. E., Pepe, J. A., Karamitsios, N. C., Lambrecht, R. W., and Bonkovsky, H. L.
Pepys, M. B. *See* Hutchinson, W. L., Noble, G. E., Hawkins, P. N., and Pepys, M. B.
Pereira, M. E. A. *See* Ortega-Barria, E., Ward, H. D., Keusch, G. T., and Pereira, M. E. A.
Perone, P. *See* Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J.
Perretti, F. *See* Coyle, A. J., Perretti, F., Manzini, S., and Irvin, C. G.

Perry, D. J. *See* Bruce, D., Perry, D. J., Borg, J.-Y., Carrell, R. W., and Wardell, M. R.
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Petrelli, N. J. *See* Bumpers, H. L., Alosco, T. R., Wang, H.-Q., Petrelli, N. J., Hoover, E. L., and Bankert, R. B.
Petro, A. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.
Pfitzer, G. *See* Satoh, S., Kreutz, R., Wilm, C., Ganten, D., and Pfitzer, G.
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Picker, L. J. *See* Jones, D. A., McIntire, L. V., Smith, C. W., and Picker, L. J.
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Pike, R. N. *See* Imamura, T., Pike, R. N., Potempa, J., and Travis, J.
Pincus, S. M. *See* Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D.
Pinsky, L. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.
Pinzani, M. *See* Gesualdo, L., Di Paolo, S., Milani, S., Pinzani, M., Grappone, C., Ranieri, E., Pannarale, G., and Schena, F. P.
Pisa, M. A. *See* Bastedo, L. B., Sands, M. S., Lambert, D. T., Pisa, M. A., Birkenmeier, E., and Chang, P. L.
Pittet, J. F., Wiener-Kronish, J. P., McElroy, M. C., Folkesson, H. G., and Matthay, M. A. Stimulation of lung epithelial liquid clearance by endogenous release of catecholamines in septic shock in anesthetized rats. 663.
Pizarro, T. T. *See* Ferretti, M., Casini-Raggi, V., Pizarro, T. T., Eisenberg, S. P., Nast, C. C., and Cominelli, F.
Plummer, F. *See* Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F.
Poczewski, H. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.
Podlaski, F. *See* Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G.
Podolsky, D. K. *See* Dignass, A., Lynch-Devaney, K., Kindon, H., Thim, L., and Podolsky, D. K.
Poll-The, B. T. *See* Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T.
Pontow, S. E. *See* Lew, D. B., Songu-Mize, E., Pontow, S. E., Stahl, P. D., and Rattazzi, M. C.
Poole, A. R., Ionescu, M., Swan, A., and Dieppe, P. A. Changes in cartilage metabolism in arthritis are reflected by altered serum and synovial fluid levels of the cartilage proteoglycan aggrecan. Implications for pathogenesis. 25.
Pope, R. M., Leutz, A., and Ness, S. A. C/EBPβ regulation of the tumor necrosis factor α gene. 1449.
— *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.
Porksen, N., Munn, S., Ferguson, D., O'Brien, T., Veldhuis, J., and Butler, P. Coordinate pulsatile insulin secretion by chronic intraportally transplanted islets in the isolated perfused rat liver. 219.
Postigo, A. A., Marazuela, M., Sánchez-Madrid, F., and de Landázuri, M. O. B lymphocyte binding to E- and P-selectins is mediated through the de novo expression of carbohydrates on in vitro and in vivo activated human B cells. 1585.
Potempa, J. *See* Imamura, T., Pike, R. N., Potempa, J., and Travis, J.
Pothoulakis, C. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Pouvelle, B., Farley, P. J., Long, C. A., and Taraschi, T. F. Taxol arrests the development of blood-stage *Plasmodium falciparum* in vitro and *Plasmodium chabaudi adami* in malaria-infected mice. 413.
Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A. Carbohydrate-deficient glycoprotein syndrome: not an N-linked oligosaccharide processing defect, but an abnormality in lipid-linked oligosaccharide biosynthesis?. 1901.
Powers, A. C. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Pozzi, E. *See* de Rose, V., Rolla, G., Bucca, C., Ghio, P., Bertoletti, M., Badema, P., and Pozzi, E.
Prager, R. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.
Prasad, P. V. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.
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— *See* Whatley, R. E., Satoh, K., Zimmerman, G. A., McIntyre, T. M., and Prescott, S. M.
Pressman, E. *See* Agre, P., Smith, B. L., Baumgarten, R., Preston, G. M., Pressman, E., Wilson, P., Illum, N., Anstee, D. J., Lande, M. B., and Zeidel, M. L.
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— *See* Smith, B. L., Preston, G. M., Spring, F. A., Anstee, D. J., and Agre, P.
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Printz, R. L. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Provvedini, D. *See* Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R.
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Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H. Protein C inhibitor is expressed in tubular cells of human kidney. 2117.
Raffeld, M. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.
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Ramm, G. A., Britton, R. S., O'Neill, R., and Bacon, B. R. Identification and characterization of a receptor for tissue ferritin on activated rat lipocytes. 9.
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Ratajczak, M. Z., Kuczynski, W. I., Onodera, K., Moore, J., Ratajczak, J., Kregenow, D. A., DeRiel, K., and Gewirtz, A. M. A reappraisal of the role of insulin-like growth factor I in the regulation of human hematopoiesis. 320.
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Reeves, J. P. *See* Balasubramanyam, M., Rohowsky-Kochan, C., Reeves, J. P., and Gardner, J. P.
Reeves, W. B., and Shah, S. V. Activation of potassium channels contributes to hypoxic injury in proximal tubules. 2289.
Reeves, W. H. *See* Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H.
Refetoff, S. *See* Hayashi, Y., Sunthornthepvarakul, T., and Refetoff, S.
Reid, M. B., Stokić, D. S., Koch, S. M., Khawli, F. A., and Leis, A. A. *N*-Acetylcysteine inhibits muscle fatigue in humans. 2468.
Reinecke, H. *See* Studer, R., Reinecke, H., Müller, B., Holtz, J., Just, H., and Drexler, H.
Reitamo, S., Remitz, A., Tamai, K., and Uitto, J. Interleukin-10 modulates type I collagen and matrix metalloprotease gene expression in cultured human skin fibroblasts. 2489.
Relling, M. V. *See* Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E.
Remitz, A. *See* Reitamo, S., Remitz, A., Tamai, K., and Uitto, J.
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Resnick, L. M., Gupta, R. K., DiFabio, B., Barbagallo, M., Mann, S., Marion, R., and Laragh, J. H. Intracellular ionic consequences of dietary salt loading in essential hypertension. Relation to blood pressure and effects of calcium channel blockade. 1269.
Resnick, N. *See* Nagel, T., Resnick, N., Atkinson, W. J., Dewey, C. F., Jr., and Gimbrone, M. A., Jr.
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Rizza, R. A. *See* Alzaid, A. A., Dinneen, S. F., Turk, D. J., Caumo, A., Cobelli, C., and Rizza, R. A.
Rizzo, L. V., Miller-Rivero, N. E., Chan, C.-C., Wiggert, B., Nussenblatt, R. B., and Caspi, R. R. Interleukin-2 treatment potentiates induction of oral tolerance in a murine model of autoimmunity. 1668.
Roberds, S. L. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
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Rodés, J. *See* García-Ruiz, C., Morales, A., Ballesta, A., Rodés, J., Kaplowitz, N., and Fernández-Checa, J. C.
Rodgers, W. H., Matrislan, L. M., Giudice, L. C., Dsupin, B., Cannon, P., Svitek, C., and Gorstein, F. Patterns of matrix metalloproteinase expression in cycling endometrium imply differential functions and regulation by steroid hormones. 946.
Rohowsky-Kochan, C. *See* Balasubramanyam, M., Rohowsky-Kochan, C., Reeves, J. P., and Gardner, J. P.
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Roses, A. D. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Ross, R. *See* Sasahara, M., Raines, E. W., Chait, A., Carew, T. E., Steinberg, D., Wahl, P. W., and Ross, R.
Rossi, G., Albertin, G., Belloni, A., Zanin, L., Biasolo, M. A., Prayer-Galetti, T., Bader, M., Nussdorfer, G. G., Palù, G., and Pessina, A. C. Gene expression, localization, and characterization of endothelin A and B receptors in the human adrenal cortex. 1226.
Rothman, D. L. *See* Cline, G. W., Rothman, D. L., Magnusson, I., Katz, L. D., and Shulman, G. I.
Rovera, G. *See* Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and Santoli, D.
Rozansky, D. J., Wu, H., Tang, K., Parmer, R. J., and O'Connor, D. T. Glucocorticoid activation of chromogranin A gene expression. Identification and characterization of a novel glucocorticoid response element. 2357.
— *See* Wu, H., Rozansky, D. J., Webster, N. J. G., and O'Connor, D. T.
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Rubin, E. *See* Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A.
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Russell, J. A. *See* Steinhorn, R. H., Morin, F. C., III, and Russell, J. A.
Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C. Identification and upregulation of galactose/*N*-acetylgalactosamine macrophage lectin in rat cardiac allografts with arteriosclerosis. 722.
Russell, S. J. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Russo, F. *See* Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G.
Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W. Tumor necrosis factor-α inhibits stem cell factor–induced proliferation of human bone marrow progenitor cells in vitro. Role of p55 and p75 tumor necrosis factor receptors. 165.

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Saad, S. T. O. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.

Saad, T. *See* Heeger, P. S., Smoyer, W. E., Saad, T., Albert, S., Kelly, C. J., and Neilson, E. G.

Saarialho-Kere, U. K., Pentland, A. P., Birkedal-Hansen, H., Parks, W. C., and Welgus, H. G. Distinct populations of basal keratinocytes express stromelysin-1 and stromelysin-2 in chronic wounds. 79.

Sadovsky, O. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.

Sahr, K. E. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.

Saint-Remy, J.-M. R. *See* Gilles, J. G., and Saint-Remy, J.-M. R.

Saito, H. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.

Saito, Y. *See* Ishimitsu, T., Nishikimi, T., Saito, Y., Kitamura, K., Eto, T., Kangawa, K., Matsuo, H., Omae, T., and Matsuoka, H.

Sallustio, J. E. *See* Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr.

Salminen, W. *See* Nasir, A., Ferbel, B., Salminen, W., Barth, R. K., and Gaspari, A. A.

Saloga, J. *See* Müller, G., Saloga, J., Germann, T., Bellinghausen, I., Mohamadzadeh, M., Knop, J., and Enk, A. H.

Samuels, N. *See* Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O.

Samulski, R. J. *See* Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M.

Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J. Apolipoprotein E associates with β amyloid peptide of Alzheimer's disease to form novel monofibrils. Isoform apoE4 associates more efficiently than apoE3. 860.

Sánchez-Madrid, F. *See* Postigo, A. A., Marazuela, M., Sánchez-Madrid, F., and de Landázuri, M. O.

Sandlund, J. T. *See* Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E.

Sands, J. M. *See* Isozaki, T., Lea, J. P., Tumlin, J. A., and Sands, J. M.

Sands, M. S. *See* Bastedo, L. B., Sands, M. S., Lambert, D. T., Pisa, M. A., Birkenmeier, E., and Chang, P. L.

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Santoli, D. *See* Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and Santoli, D.

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Saruta, T. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.

Sasahara, M., Raines, E. W., Chait, A., Carew, T. E., Steinberg, D., Wahl, P. W., and Ross, R. Inhibition of hypercholesterolemia-induced atherosclerosis in the nonhuman primate by probucol. I. Is the extent of atherosclerosis related to resistance of LDL to oxidation?. 155.

Sasaki, S., Fushimi, K., Saito, H., Saito, F., Uchida, S., Ishibashi, K., Kuwahara, M., Ikeuchi, T., Inui, K., Nakajima, K., Watanabe, T. X., and Marumo, F. Correction. 2169.

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Sasayama, S. *See* Matsui, S., Matsumori, A., Matoba, Y., Uchida, A., and Sasayama, S.

Sastry, K. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.

Sato, H. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.

Satoh, K. *See* Whatley, R. E., Satoh, K., Zimmerman, G. A., McIntyre, T. M., and Prescott, S. M.

Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H. Autoantibodies to RNA polymerase II are common in systemic lupus erythematosus and overlap syndrome. Specific recognition of the phosphorylated (IIO) form by a subset of human sera. 1981.

Satoh, S., Kreutz, R., Wilm, C., Ganten, D., and Pfitzer, G. Augmented agonist-induced Ca^{2+}-sensitization of coronary artery contraction in genetically hypertensive rats. 1397.

Satriano, J., and Schlondorff, D. Activation and attenuation of transcription factor NF-kB in mouse glomerular mesangial cells in response to tumor necrosis factor-α, immunoglobulin G, and adenosine 3':5'-cyclic monophosphate. Evidence for involvement of reactive oxygen species. 1629.

Saudubray, J.-M. *See* Fournier, B., Saudubray, J.-M., Benichou, B., Lyonnet, S., Munnich, A., Clevers, H., and Poll-The, B. T.

Saunders, A. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.

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Saxon, A. *See* Diaz-Sanchez, D., Dotson, A. R., Takenaka, H., and Saxon, A.

Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J. In vivo transfer of nitric oxide between a plasma protein-bound reservoir and low molecular weight thiols. 1432.

Scharrer, I. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.

Schena, F. P. *See* Gesualdo, L., Di Paolo, S., Milani, S., Pinzani, M., Grappone, C., Ranieri, E., Pannarale, G., and Schena, F. P.

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Scherrer, U., Randin, D., Vollenweider, P., Vollenweider, L., and Nicod, P. Nitric oxide release accounts for insulin's vascular effects in humans. 2511.

Schlondorff, D. *See* Satriano, J., and Schlondorff, D.

Schlossman, S. F. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.

Schmechel, D. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.

Schmitz, O. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.

Schnermann, J. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.

Schrader, A. P. *See* Morris, B. J., Zee, R. Y. L., and Schrader, A. P.

Schrieber, L. *See* Newman, P. M., To, S. S. T., Robinson, B. G., Hyland, V. J., and Schrieber, L.

Schuitemaker, H. *See* Fouchier, R. A. M., Brouwer, M., Kootstra, N. A., Huisman, H. G., and Schuitemaker, H.

— *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.

Schuller, M. *See* Ludvik, B., Clodi, M., Kautzky-Willer, A., Schuller, M., Graf, H., Hartter, E., Pacini, G., and Prager, R.

Schulz, R. *See* Vollmar, A. M., and Schulz, R.

Schutzer, S. E., Coyle, P. K., Dunn, J. J., Luft, B. J., and Brunner, M. Early and specific antibody response to OspA in Lyme disease. 454.

Schwabe, M., Brini, A. T., Bosco, M. C., Rubboli, F., Egawa, M., Zhao, J., Princler, G. L., and Kung, H.-f. Disruption by interferon-α of an autocrine interleukin-6 growth loop in IL-6–dependent U266 myeloma cells by homologous and heterologous down-regulation of the IL-6 receptor α- and β-chains. 2317.

Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C. Role of the

GRO family of chemokines in monocyte adhesion to MM-LDL–stimulated endothelium. 1968.

Schwartz, L. B. *See* Calhoun, W. J., Dick, E. C., Schwartz, L. B., and Busse, W. W.

Sciacca, R. R. *See* Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J.

Scudamore, A. *See* Furmaniak-Kazmierczak, E., Cooke, T. D. V., Manuel, R., Scudamore, A., Hoogendorn, H., Giles, A. R., and Nesheim, M.

Seely, E. W. *See* Gaboury, C. L., Simonson, D. C., Seely, E. W., Hollenberg, N. K., and Williams, G. H.

Segal, G. M., Magenis, R. E., Brown, M., Keeble, W., Smith, T. D., Heinrich, M. C., and Babgy, G. C., Jr. Repression of Fanconi anemia gene (*FACC*) expression inhibits growth of hematopoietic progenitor cells. 846.

Segrest, J. P. *See* Mendez, A. J., Anantharamaiah, G. M., Segrest, J. P., and Oram, J. F.

Seidler, F. J. *See* Slotkin, T. A., Nemeroff, C. B., Bissette, G., and Seidler, F. J.

Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S. Glycogen synthase: a putative locus for diet-induced hyperglycemia. 269.

Sellke, F. W. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.

Seppen, J., Bosma, P. J., Goldhoom, B. G., Bakker, C. T. M., Chowdhury, J. R., Chowdhury, N. R., Jansen, P. L. M., and Oude Elferink, R. P. J. Discrimination between Crigler-Najjar type I and II by expression of mutant bilirubin uridine diphosphate-glucuronosyltransferase. 2385.

Sepúlveda, F. V. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Serdar, C. M. *See* Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F.

Serra, M. *See* Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A.

Severson, A. *See* Fitzpatrick, L. A., Severson, A., Edwards, W. D., and Ingram, R. T.

Shah, S. V. *See* Reeves, W. B., and Shah, S. V.

Shapiro, D. N., Jones, B. G., Shapiro, L. H., Dias, P., and Houghton, P. J. Antisense-mediated reduction in insulin-like growth factor-I receptor expression suppresses the malignant phenotype of a human alveolar rhabdomyosarcoma. 1235.

— *See* Zhan, S., Shapiro, D. N., and Helman, L. J.

Shapiro, L. H. *See* Shapiro, D. N., Jones, B. G., Shapiro, L. H., Dias, P., and Houghton, P. J.

Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A. Endothelial nitric oxide synthase is expressed in cultured human bronchiolar epithelium. 2231.

Shedlofsky, S. I., Israel, B. C., McClain, C. J., Hill, D. B., and Blouin, R. A. Endotoxin administration to humans inhibits hepatic cytochrome P450-mediated drug metabolism. 2209.

Shida, H. *See* Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H.

Shiku, H. *See* Furukawa, K., Mori, M., Ohta, N., Ikeda, H., Shida, H., Furukawa, K., and Shiku, H.

Shimizu, F. *See* Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G.

Shimizu, N. *See* Amagai, M., Hashimoto, T., Shimizu, N., and Nishikawa, T.

Shimizu, T. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.

Shindo, H. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.

Shiono, S. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.

Shipp, M. A. *See* Ganju, R. K., Sunday, M., Tsarwhas, D. G., Card, A., and Shipp, M. A.

Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G. Interleukin 12 exerts a differential effect on the maturation of neonatal and adult human CD45R0$^-$ CD4 T cells. 1352.

Shuldiner, A. R. *See* Huang, Z., Bodkin, N. L., Ortmeyer, H. K., Hansen, B. C., and Shuldiner, A. R.

Shulman, G. I. *See* Cline, G. W., Rothman, D. L., Magnusson, I., Katz, L. D., and Shulman, G. I.

Sibbald, W. *See* Lam, C., Tyml, K., Martin, C., and Sibbald, W.

Sibley, C. P. *See* Kuruvilla, A. G., D'Souza, S. W., Glazier, J. D., Mahendran, D., Maresh, M. J., and Sibley, C. P.

Siegel, N. J. *See* Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J.

Silver, R. F. *See* Forman, J. D., Klein, J. T., Silver, R. F., Liu, M. C., Greenlee, B. M., and Moller, D. R.

Sima, A. A. F. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.

Simoneau, J.-A. *See* Kelley, D. E., and Simoneau, J.-A.

Simonet, W. S., Hughes, T. M., Nguyen, H. Q., Trebasky, L. D., Danilenko, D. M., and Medlock, E. S. Long-term impaired neutrophil migration in mice overexpressing human interleukin-8. 1310.

Simons, M. *See* Harada, K., Grossman, W., Friedman, M., Edelman, E. R., Prasad, P. V., Keighley, C. S., Manning, W. J., Sellke, F. W., and Simons, M.

Simonson, D. C. *See* Gaboury, C. L., Simonson, D. C., Seely, E. W., Hollenberg, N. K., and Williams, G. H.

Sims, H. F. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.

Sims, P. J. *See* Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T.

Sixma, J. J. *See* Heynen, H. F. G., Molero, M. L., de Groot, P. G., Nieuwenhuls, H. K., and Sixma, J. J.

Skalnik, D. G. *See* Newburger, P. E., Skalnik, D. G., Hopkins, P. J., Eklund, E. A., and Cumutte, J. T.

Slaugh, R. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.

Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S. Inhibition of sphincter of Oddi function by the nitric oxide carrier *S*-nitroso-*N*-acetylcysteine in rabbits and humans. 1792.

— *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.

Slotkin, T. A., Nemeroff, C. B., Bissette, G., and Seidler, F. J. Overexpression of the high affinity choline transporter in cortical regions affected by Alzheimer's disease. Evidence from rapid autopsy studies. 696.

Smart, A. *See* Chen, M., Harris, M. P., Rose, D., Smart, A., He, X.-R., Kretzler, M., Briggs, J. P., and Schnermann, J.

Smeenk, R. J. T. *See* Kramers, C., Hylkema, M. N., Van Bruggen, M. C. J., Van de Lagemaat, R., Dijkman, H. B. P. M., Assmann, K. J. M., Smeenk, R. J. T., and Berden, J. H. M.

Smeland, E. B. *See* Rusten, L. S., Smeland, E. B., Jacobsen, F. W., Lien, E., Lesslauer, W., Loetscher, H., Dubois, C. M., and Jacobsen, S. E. W.

Smelt, A. H. M. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.

Smit, L. M. E. *See* Benders, A. A. G. M., Veerkamp, J. H., Oosterhof, A., Jongen, P. J. H., Bindels, R. J. M., Smit, L. M. E., Busch, H. F. M., and Wevers, R. A.

Smith, B. L., Preston, G. M., Spring, F. A., Anstee, D. J., and Agre, P. Human red cell aquaporin CHIP. 1043.

— *See* Agre, P., Smith, B. L., Baumgarten, R., Preston, G. M., Pressman, E., Wilson, P., Illum, N., Anstee, D. J., Lande, M. B., and Zeidel, M. L.

Smith, C. W. *See* Jones, D. A., McIntire, L. V., Smith, C. W., and Picker, L. J.

Smith, L. R. *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.

Smith, T. D. *See* Segal, G. M., Magenis, R. E., Brown, M., Keeble, W., Smith, T. D., Heinrich, M. C., and Babgy, G. C., Jr.

Smoyer, W. E. *See* Heeger, P. S., Smoyer, W. E., Saad, T., Albert, S., Kelly, C. J., and Neilson, E. G.
Soiffer, R. J. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.
Song, S.-Z. *See* Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F.
Songu-Mize, E. *See* Lew, D. B., Songu-Mize, E., Pontow, S. E., Stahl, P. D., and Rattazzi, M. C.
Sorscher, E. J. *See* Logan, J., Hiestand, D., Daram, P., Huang, Z., Muccio, D. D., Hartman, J., Haley, B., Cook, W. J., and Sorscher, E. J.
Souillet, G. *See* Brière, F., Bridon, J.-M., Chevet, D., Souillet, G., Bienvenu, F., Guret, C., Martinez-Valdez, H., and Banchereau, J.
Spiegelman, B. M. *See* Hotamisligil, G. S., Budavari, A., Murray, D., and Spiegelman, B. M.
Spindel, E. R. *See* Li, K., Nagalla, S. R., and Spindel, E. R.
Spring, F. A. *See* Smith, B. L., Preston, G. M., Spring, F. A., Anstee, D. J., and Agre, P.
Springer, T. A. *See* Diacovo, T. G., deFougerolles, A. R., Bainton, D. F., and Springer, T. A.
Spurgeon, H. A. *See* Xiao, R.-P., Spurgeon, H. A., O'Connor, F., and Lakatta, E. G.
Sriram, S. *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.
Stahl, P. D. *See* Lew, D. B., Songu-Mize, E., Pontow, S. E., Stahl, P. D., and Rattazzi, M. C.
Ståhl-Hallengren, C., Ukkonen, T., Kainulainen, K., Kristofersson, U., Saxne, T., Tornqvist, K., and Peltonen, L. An extra cysteine in one of the non–calcium-binding epidermal growth factor–like motifs of the FBN1 polypeptide is connected to a novel variant of Marfan syndrome. 709.
Stalenhoef, A. F. H. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.
Stamler, J. S. *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.
— *See* Slivka, A., Chuttani, R., Carr-Locke, D. L., Kobzik, L., Bredt, D. S., Loscalzo, J., and Stamler, J. S.
Star, R. A. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
Starkebaum, G. *See* Burlingame, R. W., Boey, M. L., Starkebaum, G., and Rubin, R. L.
Steinberg, D. *See* Fruebis, J., Steinberg, D., Dresel, H. A., and Carew, T. E.
— *See* Sasahara, M., Raines, E. W., Chait, A., Carew, T. E., Steinberg, D., Wahl, P. W., and Ross, R.
Steinberg, H. O., Brechtel, G., Johnson, A., Fineberg, N., and Baron, A. D. Insulin-mediated skeletal muscle vasodilation is nitric oxide dependent. A novel action of insulin to increase nitric oxide release. 1172.
Steiner, R. D. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.
Steinhorn, R. H., Morin, F. C., III, and Russell, J. A. The adventitia may be a barrier specific to nitric oxide in rabbit pulmonary artery. 1883.
Steinman, L. *See* Allegretta, M., Albertini, R. J., Howell, M. D., Smith, L. R., Martin, R., McFarland, H. F., Sriram, S., Brostoff, S., and Steinman, L.
— *See* Gijbels, K., Galardy, R. E., and Steinman, L.
Steinman, R. M. *See* Bhardwaj, N., Bender, A., Gonzalez, N., Bui, L. K., Garrett, M. C., and Steinman, R. M.
Stern, A. S. *See* Shu, U., Demeure, C. E., Byun, D.-G., Podlaski, F., Stern, A. S., and Delespesse, G.
Stern, D. M. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.
Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A. The linked roles of nitric oxide, aldose reductase and (Na^+, K^+)-ATPase in the slowing of nerve conduction in the streptozotocin diabetic rat. 853.
Stevenson, L. W. *See* Fyfe, A. I., Stevenson, L. W., Harper, C. M., Drinkwater, D. C., Laks, H., Fogelman, A. M., and Berliner, J. A.
Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M. The role of lecithin: cholesterol acyltransferase for lipoprotein (a) assembly. Structural integrity of low density lipoproteins is a prerequisite for Lp(a) formation in human plasma. 2330.
Stoesz, M. R. *See* Cohen, J. C., Wang, Z., Grundy, S. M., Stoesz, M. R., and Guerra, R.
Stokić, D. S. *See* Reid, M. B., Stokić, D. S., Koch, S. M., Khawli, F. A., and Leis, A. A.
Strauss, A. W. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.
Strieter, R. M. *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.
Stripp, B. R. *See* DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A.
Strittmatter, W. J. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Studer, R., Reinecke, H., Müller, B., Holtz, J., Just, H., and Drexler, H. Increased angiotensin-I converting enzyme gene expression in the failing human heart. Quantification by competitive RNA polymerase chain reaction. 301.
Sturgill, T. W. More evidence for a G_i-regulated Ras exchanger. 471.
Suda, T. *See* Masuzawa, T., Miyaura, C., Onoe, Y., Kusano, K., Ohta, H., Nozawa, S., and Suda, T.
Suen, L.-F. *See* Goldring, M. B., Birkhead, J. R., Suen, L.-F., Yamin, R., Mizuno, S., Glowacki, J., Arbiser, J. L., and Apperley, J. F.
Suga, S.-i. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.
Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C. Prolonged impairment of very late activating antigen-mediated T cell proliferation via the CD3 pathway after T cell-depleted allogeneic bone marrow transplantation. 481.
Sugiyama, T. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.
Sukhova, G. K. *See* Galis, Z. S., Sukhova, G. K., Lark, M. W., and Libby, P.
Sullam, P. M. *See* Cheung, A. L., Eberhardt, K. J., Chung, E., Yeaman, M. R., Sullam, P. M., Ramos, M., and Bayer, A. S.
Sun, G.-R. *See* Li, Y., Sun, G.-R., Tumang, J. R., Crow, M. K., and Friedman, S. M.
Sunday, M. *See* Ganju, R. K., Sunday, M., Tsarwhas, D. G., Card, A., and Shipp, M. A.
Sunthornthepvarakul, T. *See* Hayashi, Y., Sunthornthepvarakul, T., and Refetoff, S.
Surwit, R. S. *See* Seldin, M. F., Mott, D., Bhat, D., Petro, A., Kuhn, C. M., Kingsmore, S. F., Bogardus, C., Opara, E., Feinglos, M. N., and Surwit, R. S.
Sutcliffe, M. *See* Taterka, J., Sutcliffe, M., and Rubin, D. H.
Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K. Proteoglycan form of macrophage colony-stimulating factor binds low density lipoprotein. 1637.
Suzuki, N. *See* Worthen, G. S., Avdi, N., Buhl, A. M., Suzuki, N., and Johnson, G. L.
Suzuki, Y. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.
Svensson, P. J. *See* Zöller, B., Svensson, P. J., He, X., and Dahlbäck, B.
Svitek, C. *See* Rodgers, W. H., Matrislan, L. M., Giudice, L. C., Dsupin, B., Cannon, P., Svitek, C., and Gorstein, F.
Swan, A. *See* Poole, A. R., Ionescu, M., Swan, A., and Dieppe, P. A.
Synold, T. W., Relling, M. V., Boyett, J. M., Rivera, G. K., Sandlund, J. T., Mahmoud, H., Crist, W. M., Pui, C.-H., and Evans, W. E. Blast cell methotrexate–polyglutamate accumulation in vivo differs by lineage, ploidy, and methotrexate dose in acute lymphoblastic leukemia. 1996.

T

Tachibana, K. *See* Sugita, K., Nojima, Y., Tachibana, K., Soiffer, R. J., Murray, C., Schlossman, S. F., Ritz, J., and Morimoto, C.

Tada, M. *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.

Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G. Interleukin-10 inhibits apoptotic cell death in infectious mononucleosis T cells. 251.

Tahara, K. *See* Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S.

Tai, J. Y. *See* Madoff, L. C. Paoletti, L. C., Tai, J. Y., and Kasper, D. L.

Takahashi, K. *See* Makita, K., Takahashi, K., Karara, A., Jacobson, H. R., Falck, J. R., and Capdevila, J. H.

Takahashi, N., Calderone, A., Izzo, N. J., Jr., Mäki, T. M., Marsh, J. D., and Colucci, W. S. Hypertrophic stimuli induce transforming growth factor-β_1 expression in rat ventricular myocytes. 1470.

Takashima, S. *See* Kitakaze, M., Hori, M., Minamino, T., Takashima, S., Komamura, K., Node, K., Kurihara, T., Morioka, T., Sato, H., Inoue, M., and Kamada, T.

Takata, K. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.

Takaya, K. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.

Takeda, R. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.

Takenaka, H. *See* Diaz-Sanchez, D., Dotson, A. R., Takenaka, H., and Saxon, A.

Takeshima, Y. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.

Tall, A. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.

— *See* Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A.

Talpaz, M., Estrov, Z., Kantarjian, H., Ku, S., Foteh, A., and Kurzrock, R. Persistence of dormant leukemic progenitors during interferon-induced remission in chronic myelogenous leukemia. 1383.

Tam, C. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.

Tamai, K. *See* Reitamo, S., Remitz, A., Tamai, K., and Uitto, J.

Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M. Mechanism of cAMP regulation of renin gene transcription by proximal promoter. 1959.

Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K. Molecular cloning of hamster brain and atrial natriuretic peptide cDNAs. Cardiomyopathic hamsters are useful models for brain and atrial natriuretic peptides. 1059.

Tamura, Y. *See* Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S.

Tan, E. M. *See* Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr.

Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K. Murine cytomegalovirus-associated pneumonitis in the lungs free of the virus. 1019.

Tang, K. *See* Rozansky, D. J., Wu, H., Tang, K., Parmer, R. J., and O'Connor, D. T.

Tang, W. W. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.

Tang, Y.-W., and Graham, B. S. Anti-IL-4 treatment at immunization modulates cytokine expression, reduces illness, and increases cytotoxic T lymphocyte activity in mice challenged with respiratory syncytial virus. 1953.

Taniguchi, N. *See* Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M.

Taraschi, T. F. *See* Pouvelle, B., Farley, P. J., Long, C. A., and Taraschi, T. F.

Tarpley, J. E. *See* Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F.

— *See* Khouri, R. K., Hong, S.-P., Deune, E. G., Tarpley, J. E., Song, S.-Z., Serdar, C. M., and Pierce, G. F.

Tartakoff, A. M. *See* Berger, M., Wetzler, E., August, J. T., and Tartakoff, A. M.

Taterka, J., Sutcliffe, M., and Rubin, D. H. Selective reovirus infection of murine hepatocarcinoma cells during cell division. A model of viral liver infection. 353.

Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J. Growth hormone promotes human T cell adhesion and migration to both human and murine matrix proteins in vitro and directly promotes xenogeneic engraftment. 293.

Tauber, A. I. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.

Taylor, S. *See* Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G.

Tekamp-Olson, P. *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.

Terkeltaub, R. *See* Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R.

Terkeltaub, R. A. The immortalized chondrocyte: art without sacrifice. 2173.

Territo, M. C. *See* Schwartz, D., Andalibi, A., Chaverri-Almada, L., Berliner, J. A., Kirchgessner, T., Fang, Z.-T., Tekamp-Olson, P., Lusis, A. J., Gallegos, C., Fogelman, A. M., and Territo, M. C.

Thibault, C. *See* N'Guyen, J.-M., Magnan, C., Laury, M.-C., Thibault, C., Leveteau, J., Gilbert, M., Pénicaud, L., and Ktorza, A.

Thim, L. *See* Dignass, A., Lynch-Devaney, K., Kindon, H., Thim, L., and Podolsky, D. K.

Thomas, T. P. *See* Stevens, M. J., Dananberg, J., Feldman, E. L., Lattimer, S. A., Kamijo, M., Thomas, T. P., Shindo, H., Sima, A. A. F., and Greene, D. A.

Thorner, M. O. *See* Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D.

Thulin, G. *See* Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J.

Tiao, G., Fagan, J. M., Samuels, N., James, J. H., Hudson, K., Lieberman, M., Fischer, J. E., and Hasselgren, P.-O. Sepsis stimulates nonlysosomal, energy-dependent proteolysis and increases ubiquitin mRNA levels in rat skeletal muscle. 2255.

Tilney, N. L. *See* Mackenzie, H. S., Tullius, S. G., Heemann, U. W., Azuma, H., Rennke, H. G., Brenner, B. M., and Tilney, N. L.

To, S. S. T. *See* Newman, P. M., To, S. S. T., Robinson, B. G., Hyland, V. J., and Schrieber, L.

Tokinaga, K. *See* Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S.

Tomita, N. *See* Morishita, R., Gibbons, G. H., Pratt, R. E., Tomita, N., Kaneda, Y., Ogihara, T., and Dzau, V. J.

Tone, Y. *See* Adams, M., Matthews, C., Collingwood, T. N., Tone, Y., Beck-Peccoz, P., and Chatterjee, K. K.

Torikata, C. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.

Tornqvist, K. *See* Ståhl-Hallengren, C., Ukkonen, T., Kainulainen, K., Kristofersson, U., Saxne, T., Tornqvist, K., and Peltonen, L.

Tosato, G. *See* Taga, K., Chretien, J., Cherney, B., Diaz, L., Brown, M., and Tosato, G.

Travis, J. *See* Imamura, T., Pike, R. N., Potempa, J., and Travis, J.

Trebasky, L. D. *See* Simonet, W. S., Hughes, T. M., Nguyen, H. Q., Trebasky, L. D., Danilenko, D. M., and Medlock, E. S.

Trezise, A. E. O. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.

Trifiro, M. A. *See* Beitel, L. K., Kazemi-Esfarjani, P., Kaufman, M., Lumbroso, R., DiGeorge, A. M., Killinger, D. W., Trifiro, M. A., and Pinsky, L.

Tripon, P. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.

Truett, G. E. *See* West, D. B., Goudey-Lefevre, J., York, B., and Truett, G. E.
Truffault, F. *See* Guyon, T., Levasseur, P., Truffault, F., Cottin, C., Gaud, C., and Berrih-Aknin, S.
Tsai, W. *See* Bermann, M., Jaffe, C. A., Tsai, W., DeMott-Friberg, R., and Barkan, A. L.
Tsarfaty, G. *See* Taub, D. D., Tsarfaty, G., Lloyd, A. R., Durum, S. K., Longo, D. L., and Murphy, W. J.
Tsarwhas, D. G. *See* Ganju, R. K., Sunday, M., Tsarwhas, D. G., Card, A., and Shipp, M. A.
Tsuganezawa, H. *See* Hayashi, M., Sasaki, S., Tsuganezawa, H., Monkawa, T., Kitajima, W., Konishi, K., Fushimi, K., Marumo, F., and Saruta, T.
Tsukita, S. *See* Kasahara, H., Itoh, M., Sugiyama, T., Kido, N., Hayashi, H., Saito, H., Tsukita, S., and Kato, N.
Tullius, S. G. *See* Mackenzie, H. S., Tullius, S. G., Heemann, U. W., Azuma, H., Rennke, H. G., Brenner, B. M., and Tilney, N. L.
Tumang, J. R. *See* Li, Y., Sun, G.-R., Tumang, J. R., Crow, M. K., and Friedman, S. M.
Tumlin, J. A. *See* Isozaki, T., Lea, J. P., Tumlin, J. A., and Sands, J. M.
Turk, D. J. *See* Alzaid, A. A., Dinneen, S. F., Turk, D. J., Caumo, A., Cobelli, C., and Rizza, R. A.
Turka, L. A. *See* Nestle, F. O., Turka, L. A., and Nickoloff, B. J.
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Uchida, A. *See* Matsui, S., Matsumori, A., Matoba, Y., Uchida, A., and Sasayama, S.
Uitto, J. *See* Reitamo, S., Remitz, A., Tamai, K., and Uitto, J.
Ukkonen, T. *See* Ståhl-Hallengren, C., Ukkonen, T., Kainulainen, K., Kristofersson, U., Saxne, T., Tornqvist, K., and Peltonen, L.
Umemura, S. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Unwin, R. *See* Capasso, G., Unwin, R., Ciani, F., de Santo, N. G., de Tommaso, G., Russo, F., and Giebisch, G.
— *See* Kitamura, M., Taylor, S., Unwin, R., Burton, S., Shimizu, F., and Fine, L. G.
Ushikubi, F. *See* Hirata, T., Kakizuka, A., Ushikubi, F., Fuse, I., Okuma, M, and Narumiya, S.
Utans, U. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.

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Vaag, A. *See* Henriksen, J. E., Alford, F., Handberg, A., Vaag, A., Ward, G. M., Kalfas, A., and Beck-Nielsen, H.
Valverde, M. A. *See* Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F.
Vamos, E. *See* Abramowicz, M. J., Andrien, M., Dupont, E., Dorchy, H., Parma, J., Duprez, L., Ledley, F. D., Courtens, W., and Vamos, E.
Van Bruggen, M. C. J. *See* Kramers, C., Hylkema, M. N., Van Bruggen, M. C. J., Van de Lagemaat, R., Dijkman, H. B. P. M., Assmann, K. J. M., Smeenk, R. J. T., and Berden, J. H. M.
Vance, M. L. *See* Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D.
Van de Lagemaat, R. *See* Kramers, C., Hylkema, M. N., Van Bruggen, M. C. J., Van de Lagemaat, R., Dijkman, H. B. P. M., Assmann, K. J. M., Smeenk, R. J. T., and Berden, J. H. M.
Van den Maagdenberg, A. M. J. M. *See* de Knijff, P., Van den Maagdenberg, A. M. J. M., Boomsma, D. I., Stalenhoef, A. F. H., Smelt, A. H. M., Kastelein, J. J. P., Marais, A. D., Frants, R. R., and Havekes, L. M.
Vannice, J. L. *See* Kitazawa, R., Kimble, R. B., Vannice, J. L., Kung, V. T., and Pacifici, R.
van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H. Macrophage-tropic variants initiate human immunodeficiency virus type 1 infection after sexual, parenteral, and vertical transmission. 2060.
Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J. Activation of heat-shock transcription factor by graded reductions in renal ATP, in vivo, in the rat. 1518.
Vaporciyan, A. A. *See* Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A.
Vara, E. *See* Arias-Díaz, J., Vara, E., García, C., and Balibrea, J. L.
Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J. All-*trans* retinoic acid (RA) stimulates events in organ-cultured human skin that underlie repair. Adult skin from sun-protected and sun-exposed sites respond in an identical manner to RA while neonatal foreskin responds differently. 1747.
Varki, A. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Vassiliadis, J. N. *See* Hassoun, H., Coetzer, T. L., Vassiliadis, J. N., Sahr, K. E., Maalouf, G. J., Saad, S. T. O., Catanzariti, L., and Palek, J.
Vaughn, R. *See* Huang, R., Rosenbach, M., Vaughn, R., Provvedini, D., Rebbe, N., Hickman, S., Goding, J., and Terkeltaub, R.
Veenstra, J. *See* van't Wout, A. B., Kootstra, N. A., Mulder-Kampinga, G. A., Albrecht-van Lent, N., Scherpbier, H. J., Veenstra, J., Boer, K., Coutinho, R. A., Miedema, F., and Schuitemaker, H.
Veerkamp, J. H. *See* Benders, A. A. G. M., Veerkamp, J. H., Oosterhof, A., Jongen, P. J. H., Bindels, R. J. M., Smit, L. M. E., Busch, H. F. M., and Wevers, R. A.
Veldhuis, J. *See* Pørksen, N., Munn, S., Ferguson, D., O'Brien, T., Veldhuis, J., and Butler, P.
Veldhuis, J. D. *See* Hartman, M. L., Pincus, S. M., Johnson, M. L., Matthews, D. H., Faunt, L. M., Vance, M. L., Thorner, M. O., and Veldhuis, J. D.
Venturo, I. *See* Nisticò, P., de Berardinis, P., Morrone, S., Alonzi, T., Buono, C., Venturo, I., and Natali, P. G.
Verfaillie, C. M. *See* Bhatia, R., Wayner, E. A., McGlave, P. B., and Verfaillie, C. M.
Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel. E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F. Association of neonatal myasthenia gravis with antibodies against the fetal acetylcholine receptor. 555.
Verstuyft, J. *See* Pászty, C., Maeda, N., Verstuyft, J., and Rubin, E. M.
Vij, R. *See* Powell, L. D., Paneerselvam, K., Vij, R., Diaz, S., Manzi, A., Buist, N., Freeze, H., and Varki, A.
Vionnet, J. *See* Dabholkar, M., Vionnet, J., Bostick-Bruton, F., Yu, J. J., and Reed, E.
Visonneau, S. *See* Cesano, A., Visonneau, S., Cioé, L., Clark, S. C., Rovera, G., and Santoli, D.
Vita, J. A. *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.
Vollenweider, L. *See* Scherrer, U., Randin, D., Vollenweider, P., Vollenweider, L., and Nicod, P.
Vollenweider, P. *See* Scherrer, U., Randin, D., Vollenweider, P., Vollenweider, L., and Nicod, P.
Vollmar, A. M., and Schulz, R. Gene expression and secretion of atrial natriuretic peptide by murine macrophages. 539.
Voorhees, J. J. *See* Varani, J., Perone, P., Griffiths, C. E. M., Inman, D. R., Fligiel, S. E. G., and Voorhees, J. J.
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W

Wagner, A. D., Goronzy, J. J., and Weyand, C. M. Functional profile of tissue-infiltrating and circulating $CD68^+$ cells in giant cell arteritis. Evidence for two components of the disease. 1134.

Wahl, A. M. *See* Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B.
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Wahl, S. M., Allen, J. B., Hines, K. L., Imamichi, T., Wahl, A. M., Furcht, L. T., and McCarthy, J. B. Synthetic fibronectin peptides suppress arthritis in rats by interrupting leukocyte adhesion and recruitment. 655.
Waldherr, R. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.
Wallace, A. F. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.
Walser-Kuntz, D. R. *See* Goronzy, J. J., Bartz-Bazzanella, P., Hu, W., Jendro, M. C., Walser-Kuntz, D. R., and Weyand, C. M.
Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M. Phenotypic correction of Fanconi anemia in human hematopoietic cells with a recombinant adeno-associated virus vector. 1440.
Waltman, C. *See* Wand, G. S., Waltman, C., Martin, C. S., McCaul, M. E., Levine, M. A., and Wolfgang, D.
Walz, A. *See* Koch, A. E., Kunkel, S. L., Harlow, L. A., Mazarakis, D. D., Haines, G. K., Burdick, M. D., Pope, R. M., Walz, A., and Strieter, R. M.
Wand, G. S., Waltman, C., Martin, C. S., McCaul, M. E., Levine, M. A., and Wolfgang, D. Differential expression of guanosine triphosphate binding proteins in men at high and low risk for the future development of alcoholism. 1004.
Wang, A. M., Kanzaki, T., and Desnick, R. J. The molecular lesion in the α-*N*-acetylgalactosaminidase gene that causes angiokeratoma corporis diffusum with glycopeptiduria. 839.
Wang, H.-Q. *See* Bumpers, H. L., Alosco, T. R., Wang, H.-Q., Petrelli, N. J., Hoover, E. L., and Bankert, R. B.
Wang, J. *See* Satoh, M., Ajmani, A. K., Ogasawara, T., Langdon, J. J., Hirakata, M., Wang, J., and Reeves, W. H.
Wang, J.-Y. *See* Giovannini, M., Biegel, J. A., Serra, M., Wang, J.-Y., Wei, Y. H., Nycum, L., Emanuel, B. S., and Evans, G. A.
Wang, Y. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.
Wang, Z. *See* Cohen, J. C., Wang, Z., Grundy, S. M., Stoesz, M. R., and Guerra, R.
Ward, G. M. *See* Henriksen, J. E., Alford, F., Handberg, A., Vaag, A., Ward, G. M., Kalfas, A., and Beck-Nielsen, H.
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Ward, P. A. *See* Foreman, K. E., Vaporciyan, A. A., Bonish, B. K., Jones, M. L., Johnson, K. J., Glovsky, M. M., Eddy, S. M., and Ward, P. A.
Wardell, M. R. *See* Bruce, D., Perry, D. J., Borg, J.-Y., Carrell, R. W., and Wardell, M. R.
Wasniowska, K. *See* Hadley, T. J., Lu, Z.-h., Wasniowska, K., Martin, A. W., Peiper, S. C., Hesselgesser, J., and Horuk, R.
Watson, J. B., Getzler, S. B., and Mosher, D. F. Platelet factor 4 modulates the mitogenic activity of basic fibroblast growth factor. 261.
Wayner, E. A. *See* Bhatia, R., Wayner, E. A., McGlave, P. B., and Verfaillie, C. M.
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Webster, N. J. G. *See* Wu, H., Rozansky, D. J., Webster, N. J. G., and O'Connor, D. T.
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Weibel, E. R. *See* Hsia, C. C. W., Herazo, L. F., Fryder-Doffey, F., and Weibel, E. R.
Weisgraber, K. H. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Weiss, H. J. *See* Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T.
Weiss, J. *See* Levy, O., Ooi, C. E., Weiss, J., Lehrer, R. I., and Elsbach, P.
Weissbach, H. *See* Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B.
Welch, G. N. *See* Scharfstein, J. S., Keaney, J. F., Jr., Slivka, A., Welch, G. N., Vita, J. A., Stamler, J. S., and Loscalzo, J.
Welgus, H. G. *See* Saarialho-Kere, U. K., Pentland, A. P., Birkedal-Hansen, H., Parks, W. C., and Welgus, H. G.
Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A. Anti-Fas/APO-1 antibody-mediated apoptosis of cultured human glioma cells. Induction and modulation of sensitivity by cytokines. 954.
Wells, L. B. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
West, D. B., Goudey-Lefevre, J., York, B., and Truett, G. E. Dietary obesity linked to genetic loci on chromosomes 9 and 15 in a polygenic mouse model. 1410.
Wetzler, E. *See* Berger, M., Wetzler, E., August, J. T., and Tartakoff, A. M.
Wevers, R. A. *See* Benders, A. A. G. M., Veerkamp, J. H., Oosterhof, A., Jongen, P. J. H., Bindels, R. J. M., Smit, L. M. E., Busch, H. F. M., and Wevers, R. A.
Weyand, C. M. *See* Goronzy, J. J., Bartz-Bazzanella, P., Hu, W., Jendro, M. C., Walser-Kuntz, D. R., and Weyand, C. M.
— *See* Wagner, A. D., Goronzy, J. J., and Weyand, C. M.
Whatley, R. E., Satoh, K., Zimmerman, G. A., McIntyre, T. M., and Prescott, S. M. Proliferation-dependent changes in release of arachidonic acid from endothelial cells. 1889.
White, M. R. *See* Hartshorn, K. L., Crouch, E. C., White, M. R., Eggleton, P., Tauber, A. I., Chang, D., and Sastry, K.
Whitehead, R. H. *See* Housley, R. M., Morris, C. F., Boyle, W., Ring, B., Biltz, R., Tarpley, J. E., Aukerman, S. L., Devine, P. L., Whitehead, R. H., and Pierce, G. F.
Whitesell, R. R. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Whitsett, J. A. *See* DiCosmo, B. F., Geba, G. P., Picarella, D., Elias, J. A., Rankin, J. A., Stripp, B. R., Whitsett, J. A., and Flavell, R. A.
Wickrema, A. *See* Muta, K., Krantz, S. B., Bondurant, M. C., and Wickrema, A.
Wiedmer, T. *See* Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T.
Wiener-Kronish, J. P. *See* Pittet, J. F., Wiener-Kronish, J. P., McElroy, M. C., Folkesson, H. G., and Matthay, M. A.
Wiezorek, J. S., Brown, D. H., Kupperman, D. E., and Brass, C. A. Rapid conversion to high xanthine oxidase activity in viable Kupffer cells during hypoxia. 2224.
Wiggert, B. *See* Rizzo, L. V., Miller-Rivero, N. E., Chan, C.-C., Wiggert, B., Nussenblatt, R. B., and Caspi, R. R.
Wigle, D. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.
Williams, G. H. *See* Gaboury, C. L., Simonson, D. C., Seely, E. W., Hollenberg, N. K., and Williams, G. H.
Williams, R. C., Jr. *See* Howe, S., Eaker, E. Y., Sallustio, J. E., Peebles, C., Tan, E. M., and Williams, R. C., Jr.
Williams, R. S. *See* Michel, J. B., Ordway, G. A., Richardson, J. A., and Williams, R. S.
Willumsen, N. J., Davis, C. W., and Boucher, R. C. Selective response of human airway epithelia to luminal but not serosal solution hypertonicity. Possible role for proximal airway epithelia as an osmolality transducer. 779.
Wilm, C. *See* Satoh, S., Kreutz, R., Wilm, C., Ganten, D., and Pfitzer, G.
Wilson, C. B. *See* Radtke, K.-P., Fernández, J. A., Greengard, J. S., Tang, W. W., Wilson, C. B., Loskutoff, D. J., Scharrer, I., and Griffin, J. H.
Wilson, C. M. *See* Marcelli, M., Zoppi, S., Wilson, C. M., Griffin, J. E., and McPhaul, M. J.
Wilson, J. D. A new beginning for estrogen physiology. 2176.
Wilson, P. *See* Agre, P., Smith, B. L., Baumgarten, R., Preston, G. M., Pressman, E., Wilson, P., Illum, N., Anstee, D. J., Lande, M. B., and Zeidel, M. L.
Wisniewski, T. *See* Sanan, D. A., Weisgraber, K. H., Russell, S. J., Mahley, R. W., Huang, D., Saunders, A., Schmechel, D., Wisniewski, T., Frangione, B., Roses, A. D., and Strittmatter, W. J.
Wittwer, A. J. *See* Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., and Lefkowith, J. B.
Witztum, J. L. *See* Neale, T. J., Ojha, P. P., Exner, M., Poczewski, H., Rüger, B., Witztum, J. L., Davis, P., and Kerjaschki, D.

Wofsy, D. *See* Finck, B. K., Chan, B., and Wofsy, D.
Wolf, R. *See* Kurose, I., Pothoulakis, C., LaMont, J. T., Anderson, D. C., Paulson, J. C., Miyasaka, M., Wolf, R., and Granger, D. N.
Wolfgang, D. *See* Wand, G. S., Waltman, C., Martin, C. S., McCaul, M. E., Levine, M. A., and Wolfgang, D.
Wong, L., Yamasaki, G., Johnson, R. J., and Friedman, S. L. Induction of β-platelet-derived growth factor receptor in rat hepatic lipocytes during cellular activation in vivo and in culture. 1563.
Wood, D. D. *See* Moscarello, M. A., Wood, D. D., Ackerley, C., and Boulias, C.
Worthen, G. S., Avdi, N., Buhl, A. M., Suzuki, N., and Johnson, G. L. FMLP activates Ras and Raf in human neutrophils. Potential role in activation of MAP kinase. 815.
Wu, H., Rozansky, D. J., Webster, N. J. G., and O'Connor, D. T. Cell type-specific gene expression in the neuroendocrine system. A neuroendocrine-specific regulatory element in the promoter of chromogranin A, a ubiquitous secretory granule core protein. 118.
— *See* Rozansky, D. J., Wu, H., Tang, K., Parmer, R. J., and O'Connor, D. T.
Wu, L. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Wu, L. C. *See* Shaul, P. W., North, A. J., Wu, L. C., Wells, L. B., Brannon, T. S., Lau, K. S., Michel, T., Margraf, L. R., and Star, R. A.
Wu, L. H. *See* Hollenbaugh, D., Wu, L. H., Ochs, H. D., Nonoyama, S., Grosmaire, L. S., Ledbetter, J. A., Noelle, R. J., Hill, H., and Aruffo, A.
Wu, X., Helfrich, M. H., Horton, M. A., Feigen, L. P., and Lefkowith, J. B. Fibrinogen mediates platelet-polymorphonuclear leukocyte cooperation during immune-complex glomerulonephritis in rats. 928.
Wu, X., Wittwer, A. J., Carr, L. S., Crippes, B. A., DeLarco, J. E., Lefkowith, J. B. Cytokine-induced neutrophil chemoattractant mediates neutrophil influx in immune complex glomerulonephritis in rat. 337.
Wurtman, R. J. The return of the cholinergic hypothesis. 470.
Wyner, L. R. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.

X

Xiao, R.-P., Spurgeon, H. A., O'Connor, F., and Lakatta, E. G. Age-associated changes in β-adrenergic modulation on rat cardiac excitation–contraction coupling. 2051.
Xu, W., and Beutler, E. The characterization of gene mutations for human glucose phosphate isomerase deficiency associated with chronic hemolytic anemia. 2326.

Y

Yaar, M., Eller, M. S., DiBenedetto, P., Reenstra, W. R., Zhai, S., McQuaid, T., Archambault, M., and Gilchrest, B. A. The trk family of receptors mediates nerve growth factor and neurotrophin-3 effects in melanocytes. 1550.
Yada, Y. *See* Imokawa, G., Yada, Y., Higuchi, K., Okuda, M., Ohashi, Y., and Kawamata, A.
Yagi, K. *See* Inazu, A., Jiang, X.-C., Haraki, T., Yagi, K., Kamon, N., Koizumi, J., Mabuchi, H., Takeda, R., Takata, K., Moriyama, Y., Doi, M., and Tall, A.
Yamada, H. *See* Higuchi, I., Yamada, H., Fukunaga, H., Iwaki, H., Okubo, R., Nakagawa, M., Osame, M., Roberds, S. L., Shimizu, T., Campbell, K. P., and Matsumura, K.
Yamada, N. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Yamaguchi, S. *See* Tamura, K., Umemura, S., Yamaguchi, S., Iwamoto, T., Kobayashi, S.-I., Fukamizu, A., Murakami, K., and Ishii, M.
Yamaji, Y., Moe, O. W., Miller, R. Y., and Alpern, R. J. Acid activation of immediate early genes in renal epithelial cells. 1297.
Yamasaki, G. *See* Wong, L., Yamasaki, G., Johnson, R. J., and Friedman, S. L.
Yamashita, N., Nishida, M., Hoshida, S., Kuzuya, T., Hori, M., Taniguchi, N., Kamada, T., and Tada, M. Induction of manganese superoxide dismutase in rat cardiac myocytes increases tolerance to hypoxia 24 hours after preconditioning. 2193.
Yamashita, Y. *See* Russell, M. E., Utans, U., Wallace, A. F., Liang, P., Arceci, R. J., Karnovsky, M. J., Wyner, L. R., Yamashita, Y., and Tam, C.
Yamin, R. *See* Goldring, M. B., Birkhead, J. R., Suen, L.-F., Yamin, R., Mizuno, S., Glowacki, J., Arbiser, J. L., and Apperley, J. F.
Yanagawa, H. *See* Nishio, H., Takeshima, Y., Narita, N., Yanagawa, H., Suzuki, Y., Ishikawa, Y., Ishikawa, Y., Minami, R., Nakamura, H., and Matsuo, M.
Yanagawa, N. *See* Kurtz, I., Nagami, G., Yanagawa, N., Li, L., Emmons, C., and Lee, I.
Yanagihara, Y., Kajiwara, K., Ikizawa, K., Koshio, T., Okumura, K., and Ra, C. Recombinant soluble form of the human high-affinity immunoglobulin E (IgE) receptor inhibits IgE production through its specific binding to IgE-bearing B cells. 2162.
Yanai, N. *See* Suzu, S., Inaba, T., Yanai, N., Kawashima, T., Yamada, N., Oka, T., Machinami, R., Ohtsuki, T., Kimura, F., Kondo, S., Torikata, C., Nagata, N., and Motoyoshi, K.
Yang, C. *See* Brunham, R., Yang, C., Maclean, I., Kimani, J., Maitha, G., and Plummer, F.
Yang, X., Chowdhury, N., Cai, B., Brett, J., Marboe, C., Sciacca, R. R., Michler, R. E., and Cannon, P. J. Induction of myocardial nitric oxide synthase by cardiac allograft rejection. 714.
Yano, Y. *See* Morita, H., Yano, Y., Niswender, K. D., May, J. M., Whitesell, R. R., Wu, L., Printz, R. L., Granner, D. K., Magnuson, M. A., and Powers, A. C.
Ye, C. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.
Yeaman, M. R. *See* Cheung, A. L., Eberhardt, K. J., Chung, E., Yeaman, M. R., Sullam, P. M., Ramos, M., and Bayer, A. S.
Yeoh, T.-K. *See* Zhao, X.-M., Frist, W. H., Yeoh, T.-K., and Miller, G. G.
Yokota, N., Bruneau, B. G., Kuroski de Bold, M. L., and de Bold, A. Atrial natriuretic factor significantly contributes to the mineralocorticoid escape phenomenon. Evidence for a guanylate cyclase–mediated pathway. 1938.
Yonekawa, Y. *See* Weller, M., Frei, K., Groscurth, P., Krammer, P. H., Yonekawa, Y., and Fontana, A.
York, B. *See* West, D. B., Goudey-Lefevre, J., York, B., and Truett, G. E.
Yoshida, S. *See* Hirai, A., Kino, T., Tokinaga, K., Tahara, K., Tamura, Y., and Yoshida, S.
Yoshimasa, T. *See* Tamura, N., Ogawa, Y., Itoh, H., Arai, H., Suga, S.-i., Nakagawa, O., Komatsu, Y., Kishimoto, I., Takaya, K., Yoshimasa, T., Shiono, S., and Nakao, K.
Yoshimura, K. *See* Maruyama, M., Hay, J. G., Yoshimura, K., Chu, C.-S., and Crystal, R. G.
Yotsuyanagi, H. *See* Koike, K., Moriya, K., Yotsuyanagi, H., Iino, S., and Kurokawa, K.
Young, M. A. *See* Bullough, D. A., Zhang, C., Montag, A., Mullane, K. M., and Young, M. A.
Young, N. S. *See* Walsh, C. E., Nienhuis, A. W., Samulski, R. J., Brown, M. G., Miller, J. L., Young, N. S., and Liu, J. M.
Yu, H. *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.
Yu, J. J. *See* Dabholkar, M., Vionnet, J., Bostick-Bruton, F., Yu, J. J., and Reed, E.

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Zajac, J. *See* Vernet-der Garabedian, B., Lacokova, M., Eyrnard, B., Morel, E., Faltin, Michal, Zajac, J., Sadovsky, O., Dommergues, M., Tripon, P., and Bach, J.-F.
Zanin, L. *See* Rossi, G., Albertin, G., Belloni, A., Zanin, L., Biasolo, M. A., Prayer-Galetti, T., Bader, M., Nussdorfer, G. G., Palù, G., and Pessina, A. C.

Zapf, J. *See* Hussain, M. A., Schmitz, O., Mengel, A., Glatz, Y., Christiansen, J. S., Zapf, J., and Froesch, E. R.

Zechner, R. *See* Steyrer, E., Durovic, S., Frank, S., Gießauf, W., Burger, A., Dieplinger, H., Zechner, R., and Kostner, G. M.

Zee, R. Y. L. *See* Morris, B. J., Zee, R. Y. L., and Schrader, A. P.

Zehetbauer, J. B. *See* Crow, M. K., DelGiudice-Asch, G., Zehetbauer, J. B., Lawson, J. L., Brot, N., Weissbach, H., and Elkon, K. B.

Zeidel, M. L. *See* Agre, P., Smith, B. L., Baumgarten, R., Preston, G. M., Pressman, E., Wilson, P., Illum, N., Anstee, D. J., Lande, M. B., and Zeidel, M. L.

Zhai, S. *See* Yaar, M., Eller, M. S., DiBenedetto, P., Reenstra, W. R., Zhai, S., McQuaid, T., Archambault, M., and Gilchrest, B. A.

Zhan, S., Shapiro, D. N., and Helman, L. J. Activation of an imprinted allele of the insulin-like growth factor II gene implicated in rhabdomyosarcoma. 445.

Zhang, C. *See* Bullough, D. A., Zhang, C., Montag, A., Mullane, K. M., and Young, M. A.

Zhang, J. J., Jacob, T. J. C., Valverde, M. A., Hardy, S. P., Mintenig, G. M., Sepúlveda, F. V., Gill, D. R., Hyde, S. C., Trezise, A. E. O., and Higgins, C. F. Tamoxifen blocks chloride channels. A possible mechanism for cataract formation. 1690.

Zhang, L. *See* Morishita, R., Gibbons, G. H., Ellison, K. E., Lee, W., Zhang, L., Yu, H., Kaneda, Y., Ogihara, T., and Dzau, V. J.

Zhang, M., Gong, J., Iyer, D. V., Jones, B. E., Modlin, R. L., and Barnes, P. F. T cell cytokine responses in persons with tuberculosis and human immunodeficiency virus infection. 2435.

Zhang, S. H., Reddick, R. L., Burkey, B., and Maeda, N. Diet-induced atherosclerosis in mice heterozygous and homozygous for apolipoprotein E gene disruption. 937.

Zhang, X.-Y. *See* Tanaka, K., Koga, Y., Lu, Y.-Y., Zhang, X.-Y., Wang, Y., Kimura, G., and Nomoto, K.

Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P. Tissue factor controls the balance of angiogenic and antiangiogenic properties of tumor cells in mice. 1320.

Zhao, J. *See* Kojima, H., Newton-Nash, D., Weiss, H. J., Zhao, J., Sims, P. J., and Wiedmer, T.

— *See* Schwabe, M., Brini, A. T., Bosco, M. C., Rubboli, F., Egawa, M., Zhao, J., Princler, G. L., and Kung, H.-f.

Zhao, X.-M., Frist, W. H., Yeoh, T.-K., and Miller, G. G. Modification of alternative messenger RNA splicing of fibroblast growth factor receptors in human cardiac allografts during rejection. 992.

Zhong, S., Goldberg, I. J., Bruce, C., Rubin, E., Breslow, J. L., and Tall, A. Human ApoA-II inhibits the hydrolysis of HDL triglyceride and the decrease of HDL size induced by hypertriglyceridemia and cholesteryl ester transfer protein in transgenic mice. 2457.

Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M. The endogenous vascular elastase that governs development and progression of monocrotaline-induced pulmonary hypertension in rats is a novel enzyme related to the serine proteinase adipsin. 1163.

Zhu, X.-H. *See* Van Why, S. K., Mann, A. S., Thulin, G., Zhu, X.-H., Kashgarian, M., and Siegel, N. J.

Ziche, M., Morbidelli, L., Masini, E., Amerini, S., Granger, H. J., Maggi, C. A., Geppetti, P., and Ledda, F. Nitric oxide mediates angiogenesis in vivo and endothelial cell growth and migration in vitro promoted by substance P. 2036.

Ziegler, R. *See* Zhang, Y., Deng, Y., Luther, T., Müller, M., Ziegler, R., Waldherr, R., Stern, D. M., and Nawroth, P. P.

Zimmerman, E. M. *See* Brackett, J. C., Sims, H. F., Steiner, R. D., Nunge, M., Zimmerman, E. M., deMartinville, B., Rinaldo, P., Slaugh, R., and Strauss, A. W.

Zimmerman, G. A. *See* Patel, K. D., Modur, V., Zimmerman, G. A., Prescott, S. M., and McIntyre, T. M.

— *See* Whatley, R. E., Satoh, K., Zimmerman, G. A., McIntyre, T. M., and Prescott, S. M.

Zöller, B., Svensson, P. J., He, X., and Dahlbäck, B. Identification of the same Factor V gene mutation in 47 out of 50 thrombosis-prone families with inherited resistance to activated protein C. 2521.

Zon, G. *See* Ensoli, B., Markham, P., Kao, V., Barillari, G., Fiorelli, V., Gendelman, R., Raffeld, M., Zon, G., and Gallo, R. C.

Zoppi, S. *See* Marcelli, M., Zoppi, S., Wilson, C. M., Griffin, J. E., and McPhaul, M. J.

Zuker, M. *See* Zhu, L., Wigle, D., Hinek, A., Kobayashi, J., Ye, C., Zuker, M., Dodo, H., Keeley, F. W., and Rabinovitch, M.

Zychlinsky, A., Fitting, C., Cavaillon, J.-M., and Sansonetti, P. J. Interleukin 1 is released by murine macrophages during apoptosis induced by *Shigella flexneri*. 1328.